

ALEX DAVIS

Writer and communications leader with over a decade of experience developing executive positioning, narrative, and content strategy for global organizations, investors, and technology companies.

EXPERIENCE

Communications Manager, Energy | **Acumen**

Jan 2024–Present | New York + Remote

- Leads narrative and media strategy for Acumen's \$250M Hardest-to-Reach initiative, announced by CEO Jacqueline Novogratz at NYT Climate Forward and Bloomberg Global Forum, with coverage in Forbes, Reuters, and African Business.
- Advises senior leadership on narrative strategy, translating investment and impact data into speeches, thought leadership, and high-profile convenings.
- Shapes coordinated narrative across global partners including the World Bank, Green Climate Fund, and Quadrature Climate Fund to advance a shared story on clean energy access and investment.

Senior Content Strategist | **The Bulleit Group**

Aug 2020–Dec 2023 | New York

- Advised clients on brand positioning, message architecture, and editorial strategy, producing bylines, op-eds, white papers, and executive narratives across earned and owned channels
- Built thought leadership programs and message frameworks that drove executive visibility with investors, media, and industry audiences

Senior Account Director | **Handshake**

May 2019–Aug 2020 | New York

- Advised C-suite executives at global brands and financial institutions on sustainability positioning and stakeholder engagement strategy, including leadership presence at the World Economic Forum in Davos.
- Connected ESG priorities to business objectives through multi-stakeholder partnerships and strategic advisory.

Research Assistant | **JUST Capital**

May 2018–Dec 2018 | New York

- Supported sustainability rankings and corporate accountability research through data-driven analysis and content for the JUST Capital Rankings, one of the leading measures of corporate responsibility in the US.

Project Manager | **17 Triggers**

Aug 2016–Jul 2017 | Cambodia | Singapore

- Delivered impact finance workshops for organisations across Southeast Asia, including programs for the Bill & Melinda Gates Foundation and MetLife.

Chief of Staff to the Director | **Alliance for Financial Inclusion**

Jan 2014–Jul 2016 | Thailand | Malaysia

- Managed the Executive Director's external engagement portfolio across central bank governors, government officials, and institutional funders in 60+ member countries, drafting speeches, briefings, and official communications.

Development Officer | **Cambodian Center for Study and Development in Agriculture**

Aug 2012 – Dec 2013 | Phnom Penh, Cambodia

- Produced donor communications, reporting, and social media for a Cambodian NGO.

EXPERTISE

Storytelling, messaging and narrative design
Reports, white papers, and research translation
Science and technical writing
Thought leadership and opinion writing
Executive and research communications
Brand communications and copy

Key expertise: Energy, sustainability, life sciences and environment, B2B tech, social impact

EDUCATION

Johns Hopkins University SAIS | 2019

MA, Economics & International Relations

Specializations: Emerging Markets, Development Finance

George Washington University | 2010

BA, International Affairs

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Ten years writing across finance, energy, AI and autonomous technology, and global development, from executive thought leadership and long-form research to feature writing, web copy, and press.

PROJECT HIGHLIGHTS

Hardest-to-Reach Energy Initiative · Acumen · 2024–2026

Directed content, narrative and media strategy for Acumen's [\\$250M clean energy fundraise](#), announced by CEO Jacqueline Novogratz at NYT Climate Forward and Bloomberg Global Forum. Coverage in Forbes, Reuters, and Semafor.

"Humanising Energy" · BBC Storyworks · 2025

Produced two BBC Storyworks documentary films on [clean energy](#) and [e-mobility](#) in developing markets, overseeing concept, story direction, script development, revisions, and launch, for Acumen's clean energy portfolio.

WRITING SAMPLES

Harnessing renewable energy for resilient food systems

Opinion · The Economist Impact · 2024 · Included in portfolio samples below, and on [Economist Impact](#)

- Market analysis of opportunities for clean energy and ag tech in developing markets, for Acumen CEO Jacqueline Novogratz and SNV CEO Simon O'Connell

How to Be an Anti-Fragile Unicorn

Feature · Fast Company · 2022 · Included in portfolio samples, and at [Fast Company](#).

- An essay applying antifragility frameworks to the high-growth startups, written for Bulleit Group CEO.

Neural Search and the Future of Customer Experience

Thought leadership · Vectara · 2022 · Included in portfolio samples and on [Vectara's blog](#)

- Explains neural search, the shift from keyword-matching to semantic understanding, and its implications for how
- companies build customer-facing products

How Governments and Businesses Can Unlock Global Markets for Green Hydrogen

Opinion · Forbes Tech Council · 2021 · Included in portfolio samples, and on [Forbes](#)

- Policy analysis of the regulatory and commercial conditions needed to scale green hydrogen, written for Plug Power.

Equitable Safety by Design: How Purpose-Built Vehicles Can Redesign Road Safety

Unpublished byline · Written for Jesse Levinson, CTO & Co-Founder, Zoox · March 2022 · Included in portfolio samples

- Ghostwritten thought leadership arguing for a redesign of vehicle safety standards, drawing on crash statistics, design equity research, and the technical architecture of autonomous vehicles.

ADDITIONAL WRITING PROJECTS

Acumen's Energy for Livelihoods initiative

Research report & Opinion · Acumen · 2024 · Available at [ImpactAlpha](#) and for download on [Acumen's website](#)

Role: lead editor and contributing writer

- Long-form research report examining energy markets across sub-Saharan Africa and South Asia, synthesizing field data, market analysis, and policy insight, alongside drafting and placement for related thought leadership written for Acumen India CEO Mahesh Yagnaraman

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WRITING SAMPLES: Harnessing renewable energy for resilient food systems, The Economist Impact

Attributed byline: Jacqueline Novogratz, CEO, Acumen, & Simon O'Connell, CEO, SVN

Recent findings from the [Global Alliance for the Future of Food](#) reveal that the global agri-food system is responsible for 15% of all fossil-fuel emissions annually, contributing significantly to the deepening climate crisis.

At the same time, more extreme weather events are exacerbating the pressure on water supplies and soil degradation, pushing marginalised farmers to increase expenditure on fuel for water pumping and fossil-fuel-based fertilisers. Geopolitical conflicts in the Middle East and Ukraine are creating additional price spikes and further market turmoil. It's abundantly clear that more sustainable and efficient systems-oriented interventions are needed.

Regenerative agriculture is increasingly emerging as a solution, aiming to enhance soil quality, preserve water and reduce carbon emissions, which are all essential for ensuring future food security. However, it is often inaccessible and unaffordable, particularly for the more than 600m smallholder farmers worldwide, who are disproportionately affected by the climate crisis and the breakdown of food systems.

Transitioning to regenerative agriculture can reduce reliance on diesel fuel, pesticides, and inorganic fertilisers, thereby increasing resilience to climate change and market volatility. Distributed renewables—products and services that provide affordable and reliable energy to those without access to the electricity grid—are a key enabler of this transition.

Yet several critical barriers still need to be overcome, with many distributed-renewable companies and regenerative-agriculture projects struggling to attract enough capital and support. How can we ensure those smallholder farmers most in need have the tools to transition to regenerative agriculture and protect their livelihoods from the increasingly devastating impacts of the climate crisis?

Innovative finance

Regenerative agriculture and renewable-energy-powered technologies have the potential to significantly decrease our dependence on fossil fuels. Realising the combined potential of regenerative agriculture and renewable energy requires financing instruments designed to meet the needs of smallholder farmers.

Financial products that are contextually tailored and affordable give farmers the confidence to invest in regenerative methods. One example is [pay-as-you-go modalities for off-grid solar devices](#), based on remote-metering technology and mobile money networks, which allow farmers to pay for electricity systems in instalments over two to three years. Yet pay-as-you-go solar providers struggle to get the capital they need to serve the hardest-to-reach communities. Concessional and blended finance vehicles, which use philanthropic and development capital to de-risk the market and unlock private investment, are critical for getting these solution providers off the ground and growing towards commercial success.

Regenerative agriculture and renewable energy in practice

Thousands of promising solution providers are waiting for the international community to step up. [S4S Technologies](#), a 2023 [Earthshot](#) winner, is an excellent example of how a detailed understanding of the challenges faced by smallholder farmers has led to increased adoption of renewable-energy technologies.

The company has developed a portable, solar-powered machine that dries vegetables and spices while retaining nutrients. This reduces agricultural waste, a persistent problem in India, where around 30% of products go unconsumed. However, their model also unlocks new value for low-income women farmers by creating localised hubs for surplus produce, enabling participating farmers to increase their incomes by 10-15%.

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In addition, technologies like biodigesters are putting regenerative agriculture within reach. Soil erosion and market pressures have forced many smallholder farmers to rely on manufactured fossil-fuel-intensive fertilisers to maintain yields. Biodigesters can reduce reliance on fossil-fuel-intensive fertilisers by creating nutrient-rich bioslurry from organic waste, thereby improving yields, reducing emissions and cutting costs.

These and other regenerative approaches have demonstrated their ability to operate in low-income farming communities effectively and profitably. However, scaling these methods requires more, better-tailored and contextualised support than what investors, international institutions and governments currently provide.

Realising the potential of renewables

Moving away from fossil fuels requires a concerted effort to wean the agricultural system off its dependence on them. Establishing viable financing models for renewable-energy-powered equipment, such as solar pumps, dryers or biodigesters, will reduce reliance on fossil fuels and enhance resilience to climate change.

Achieving this goal will require more than just capital. It calls for a shift in thinking about agriculture and energy, moving towards a broader framework. Ecosystem actors must demand better-targeted investments in distributed renewables, supported by advisory support and conducive regulatory policies.

Governments, the private sector, donors, civil society and research bodies must work better together to shape policy and investment frameworks that enable the integration of energy-focused approaches into the agricultural practices they promote.

We have the tools available, but now more than ever we need the moral imagination to better harness them in the face of pervasive inequalities and the climate crisis. We know that these transitions are inevitable—however, justice and more equitable lives for those in marginalised communities are not.

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WRITING SAMPLE: Neural Search and the Future of Customer Experience

Attributed byline: Ed Albanese, COO, Vectara

Natural language processing can ease common frustrations while delivering relevant answers and unexpected insights.

Recent advances in natural language processing (NLP) powered by neural networks and LLMs enable organizations to bypass common search frustrations and offer an optimized customer experience. By adopting this groundbreaking technology, leaders can reap the benefits of streamlined customer journeys and workflows while opening the door to new business models. As consumers shift toward online purchases, they increasingly expect highly relevant, instantly available results. And they even more frequently click away at the first inconvenience.

Neural search reimagines the experience of navigating websites and apps

The difficulty customers face when trying to find the correct information stems from keyword-based search systems. These tools match words from a customer's query with labeled product attributes or indexed data and then rank the results based on how other searchers interact with the content. This approach works for simple searches but loses precision as requests become more complicated or more detailed.

Neural network-powered search technology, which leverages NLP to help computer systems understand concepts and context as humans do, delivers relevant content that corresponds with the underlying meaning of the query. Rather than scanning for matches in a manually-populated database, neural search systems map the relationship between ideas by converting the complete end-user query into numeric vectors and clustering similar concepts together. Even when someone misspells a term or uses acronyms, the system can easily detect the semantic meaning and deliver accurate results.

Neural search does more than solve common customer pain points. The technology radically reimagines the search experience, whether users are combing through massive public websites or looking for obscure data points in enterprise databases. It's a new way of seeking knowledge with thousands of use cases for consumers and businesses.

Contextualized product discovery

Just as eCommerce disrupted brick-and-mortar, neural networks will forever change how people make purchases. Keyword-based search isn't attuned to how customers make queries today; they use words in natural language, in different combinations, or with varying contextual meanings. These requests often return irrelevant results on eCommerce stores and other business pages because they don't precisely match product labels. For example, looking for a "teal shirt" may not turn up related colors or patterned shirts.

Of course, many customers don't know exactly what they want. That's why recommendation systems are critical for customer conversions. But these features still miss the mark, often because search algorithms employ collaborative filtering that prioritizes the most popular items at the expense of other options. The definition of a "blue work shirt," for instance, may vary depending on the gender, profession, or interests of the buyer, but most sites will show office-friendly collared options. Google estimates that businesses in the U.S. forfeit up to \$300 billion annually because shoppers can't navigate their sites.

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Neural search recognizes that those looking for a teal-colored garment may also be interested in similar hues and understands the distinctions between categories of related products. What's more, neural search provides a better overall product discovery experience because these systems consider the entirety of customer data and product attributes, including non-text information and unstructured data like product reviews. It's the difference between browsing a catalog and talking to an informed, experienced salesperson.

Chatbots that don't sound robotic

The challenges associated with keyword search extend to every stage of the customer experience. For example, many companies tout their chatbots as hassle-free ways to solve common complaints. Yet until recently, these conversational agents have been only marginally more effective than a simple Ctrl-F search of FAQs, primarily due to their reliance on prior language configuration, such as synonyms, stop words, and stemming rules. Surveys show that 50 percent of consumers believe chatbots make it more challenging to resolve issues.

Neural search is creating a new class of conversational agents that derive meaningful value from the complex web of support chat and call data in their knowledge base. That means next-generation chatbots consider the context when surfacing solutions, such as a customer's geographic location. Because neural search goes beyond hard-coded rules, it can answer uncommon questions by making predictions based on embeddings of past queries and interactions.

Of course, humans have to solve trickier requests, but NLP technology will help them align their responses with customers' needs. First, AI can route calls toward the agent best suited for the task. Once the human agent takes up the ticket, support tools with an NLP backend can summarize possible solutions and provide real-time sentiment monitoring. These neural search tools promise to turn a cost center into a revenue driver through positive brand experiences, competitive differentiation, and nuanced relationship building.

Better search means proactive self-service

Chatbots and AI-supported human agents are delivering more intelligent customer service. But neural search can help customers go a step further, toward self-service that allows them to quickly solve their own problems, no matter how they ask or even the language of the query. These solutions significantly reduce the number of agent interactions.

Neural search directs customers to the exact location in a piece of content that answers their questions. This helps avoid the cumbersome task of scrolling through PDFs or videos. And while we all want to find recipes faster, this functionality is revolutionary in enterprise contexts. Business users sometimes navigate between hundreds of SaaS applications and waste significant time simply searching for information buried in technical documentation, training materials, product pages, community forums, and other unwieldy databases.

Leveling the playing field

The race to provide a superior search experience is on. Search leaders like Google and marketplaces like Amazon are devoting significant sums and talent to bringing neural capabilities to their products. Meanwhile, everyone else has been stuck making the best of traditional search, which still requires intensive effort to implement and maintain.

Fortunately, advanced NLP content discovery is now available to nearly every organization. Turnkey solutions like Vectara are easy to integrate into existing tech stacks through APIs without any need for historical data, training, or machine learning expertise. With neural search as a service, small and medium-sized businesses can instantly serve more customers and engage more employees at a higher standard of quality. In a world where we demand instant, personalized responses and always-available support, neural search creates an unparalleled opportunity to impress, delight, and build lasting loyalty.

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WRITING SAMPLE: How Governments And Businesses Can Unlock Global Markets For Green Hydrogen, Forbes

Attributed byline: Andy Marsh, President and CEO of Plug Power

The future looks promising for green hydrogen. One after another, market analysts have come around to the molecule's potential to drive the transition to a low-carbon economy. Their reasoning? As both a clean-burning fuel and an energy carrier, hydrogen could help solve daunting decarbonization challenges while revitalizing local economies. For example, instead of going unused by electricity grids, surplus renewable energy can be directed toward hydrogen production and stored for later use in hard-to-abate sectors like long-haul transport. This versatility is one of the reasons a new report from Bank of America projects that hydrogen could meet nearly one-quarter of our energy needs by 2050 and reduce carbon emissions by one-third.

However, these new adherents also note that hurdles remain, particularly around the availability of clean energy and the cost of renewably-powered electrolysis, the potentially emissions-free process used to produce green hydrogen. As the president and CEO of a company that offers clean hydrogen and zero-emission fuel cell solutions, I believe tackling these challenges will require continuing public support in the form of incentives, tax breaks and enabling regulations. Are governments up to the task?

Increasingly, policymakers are saying yes. In recent months, countries have rushed to establish strategies for building national clean hydrogen value chains. But approaches vary significantly according to domestic ambitions and restraints. South Korea, for example, is hoping green hydrogen can help wean the country off fossil fuels. Elsewhere, commodity-focused economies like Australia's and Chile's are aiming to diversify exports. The EU has emerged with perhaps the most far-reaching plan; according to Reuters, Europe could cumulatively invest over \$569 billion into green hydrogen by 2050 and create at least 40 gigawatts of electrolyzer capacity between 2025 and 2030. Taken together, these roadmaps suggest to me that we're at the cusp of a thriving global hydrogen economy.

As these plans move toward implementation, how can policymakers best position their economies to benefit from green hydrogen? Furthermore, how can the hydrogen industry and other business leaders support these ambitious goals?

Putting Hydrogen On Proper Footing

Talk of multibillion-dollar investments and new policy initiatives is generating buzz in the industry, but government support to the energy sector often remains skewed toward oil and gas. A recent study by BloombergNEF estimates \$150 billion in subsidies are needed through 2030 in order to scale up hydrogen use and create a supply infrastructure. This is undoubtedly a significant sum, but far less than the \$584 billion that G20 governments directed toward fossil fuel industries from 2017 to 2020. It's time to level the playing field.

Making renewables economically viable in domestic markets is a critical first step. Even among clean energy sources, government support has long favored wind and solar power. In Europe, for instance, feed-in tariffs reportedly helped push the share of renewable sources in electricity grids past the tipping point. I believe green hydrogen certainly merits similar subsidies. On a broader scale, carbon pricing could support the business case for switching to clean energy.

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Providing Policy Certainty

Ultimately, building the clean hydrogen ecosystem will require greater industry investment. But policymakers can facilitate this process by streamlining regulatory procedures and aligning safety and quality standards. The Hydrogen Energy Ministerial Meeting identified such harmonization as a pillar of its global action agenda in 2019.

However, it remains to be seen how resilient these plans are to political turnover. Business leaders in the sector should be vocal in their continuing support, as unpredictable policy trajectories could hamper private sector development. Lawmakers can instill long-term market confidence by setting dependable, technology-neutral policy objectives around decarbonization — what the recent Road Map to a U.S. Hydrogen Economy terms “setting the north star.”

Finally, national goals should not hinder international cooperation. In my experience, few countries can develop an entirely self-contained hydrogen supply chain due to varying domestic resources and market dynamics. Partnerships around renewable energy supply and research could be critical to realizing comparative advantages while meeting local needs. Some countries have smartly made provisions for building clean energy and hydrogen capacity in nearby countries, recognizing that production within the region is insufficient to meet potential future demand.

Private Sector Priorities

While governments must create the conditions for a green hydrogen economy to grow, the private sector should not take a wait-and-see approach. Businesses have a role in shaping dialogue and taking steps to align commercial strategies with national frameworks. Here’s how business leaders can play their part:

Band Together

Today’s hydrogen roadmaps are tomorrow’s regulations. Few companies can singularly influence policymaking, but there’s power in coming together. Those hoping to join the hydrogen revolution should consider participating in working groups and industry initiatives. Such groups include Hydrogen Europe, whose 185 industry members collaborate in technical committees and issue-specific task forces. In the U.S., the Fuel Cell and Hydrogen Energy Association coordinates policy advocacy as well as collaborations with government agencies such as the U.S. Department of Energy’s Fuel Cell Technologies Office.

Leverage Existing Assets And Expertise

Moving into green energy does not have to mean starting from scratch. Companies with experience managing massive time- and capital-intensive projects, for example, could find those skills in high demand in the hydrogen space. Oil and gas majors can partner on electrolyzer projects and explore how to convert natural gas pipelines to hydrogen. For their part, financial institutions can make good on their sustainable lending promises — and pacify investors like HSBC’s (paywall), who asked the bank to cut fossil fuel support — by lending to green hydrogen projects.

Planting The Seeds Of A Greener Economy

I believe realizing green hydrogen’s ability to boost economic growth and fight climate change requires a systemic, collaborative and internationally-coordinated approach. While countries can and should chart their own courses, green hydrogen is not a zero-sum game. A conducive policy environment, alongside a business focus on sustainable value creation, could ensure that green hydrogen’s win-win potential becomes a reality.

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WRITING SAMPLE: Equitable Safety by Design: How Purpose-Built Vehicles Can Redesign Road Safety, Zoox

Attributed byline (unpublished): Jesse Levinson, CTO and Co-Founder, Zoox

The first car emerged in the late 1800s, as the Industrial Revolution reshaped daily life. Travel, once reserved for the wealthy, was becoming accessible, and for the first time, those with fewer means could migrate long distances, drawn by the promise of prosperity in the era of the California Gold Rush.

Today, buses and subways shuttle us from suburbs into cities, the economic hubs that promise opportunity. But with modern convenience comes a modern problem. As the cost of car ownership rises, personal transportation becomes an increasingly out-of-reach prerequisite for employment. A Harvard University study found that long commutes hinder efforts to climb out of poverty more than any other factor. For over a century, we have lived in a world built around single-occupancy vehicles — one historically shaped by inequity for underrepresented populations, from racially discriminatory auto loan pricing to discriminatory car insurance. Those who cannot afford a car depend on public transit, walking, or cycling, frequently on roads without sidewalks or protected bike lanes.

But necessity is the mother of invention. We have a once-in-a-generation opportunity to lessen barriers and bridge some of the systemic inequalities embedded in today's transportation system. New mobility-as-a-service models open the door to a future where everyone can access safe, sustainable, and efficient mobility. Dismantling the centuries-old biases in automotive design will not happen overnight — but meaningful progress is possible.

The precarious status quo

The vast majority of Americans rely on cars to meet their transportation needs, and even those without a vehicle often depend on others' cars to get to work or school. Yet this routine activity is frequently the riskiest thing a person does in their day. Despite decades of safety improvements, cars remain dangerous to drivers, passengers, and other road users. The U.S. faces a genuine crisis in traffic fatalities. The Department of Transportation's National Highway Traffic Safety Administration estimates that 31,720 people died in crashes from January through September 2021, which is the highest number since 2006. Whether driven by consumer preference for SUVs or a rise in reckless driving since the pandemic, our cities' roads are more dangerous than they have been in decades.

Every death is a tragedy, but not everyone faces the same level of risk. Research shows that right-front passengers and female drivers are more likely to be injured or killed than male drivers in a collision. CDC data shows that older adults and teenagers face higher crash death rates.

The reason is structural. Crash test models represent an "average" male and a scaled-down female equivalent — one that fails to account for female physiological differences like spine alignment and neck strength. Protective features like advanced seat belt systems are engineered for their most frequent users: solo drivers, not rear-seat passengers. The outcomes are stark. Female drivers are 73 percent more likely to be severely injured and 17 percent more likely to die in a crash. Older adults, heavier adults, and children have disproportionately higher fatality rates. In 2019, the CDC counted 608 child passenger deaths and at least 91,000 injuries, many tied to improper restraint systems.

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Traditional automotive design has inadvertently introduced bias by optimizing for the driver. Updated regulations could help, but only to a degree — driver-centric components like the steering wheel, dashboard, and gas pedals are root causes, not symptoms. Thanks to advances in sensor technology, computing, and AI, we can now remove these mechanisms entirely and take a first-principles approach to design: building equitable safety into the core for all occupants. Our goal is five-star equivalent safety ratings for every seating position, regardless of gender, weight, or age.

Conventional vehicle design also excludes those with mobility barriers. A U.S. Department of Transportation survey found that only 60 percent of Americans with disabilities drive, compared to 91.7 percent of people without them, and up to 3.6 million U.S. residents with travel-limiting disabilities are effectively housebound. We are working with advocacy groups to incorporate universal design solutions that let users enter, exit, and communicate with vehicle systems independently.

Urban roads put too many at risk

Today's vehicles are safer than those of the past. NHTSA has estimated occupants in modern cars face a 56 percent lower fatality risk than riders in the 1950s. The same cannot be said for pedestrians and cyclists: 6,721 pedestrians were killed on U.S. roads in 2020.

Transportation planning has historically prioritized speed and the needs of able-bodied men in suburban, predominantly white communities. Decades after highways were built through minority neighborhoods, communities of color continue to face higher rates of collisions and pedestrian fatalities. Being struck by a vehicle is now a leading cause of death for children, particularly those from low-income families. Policymakers are beginning to reckon with these disparities, but far more remains to be done, starting with recognizing these inequalities as legitimate barriers and actively working with marginalized communities to close the gap. Last-mile transportation deserts, where pedestrians and cyclists navigate areas with no sidewalks or lighting, are an obvious place to start.

Mobility-as-a-service options — scooters, robotaxis, electric bikes — can serve as flexible transit for those who need to connect to public transit hubs. At Zoox, by removing the driver and operating as a shared ride-hailing service, we aim to provide an alternative that is more economical than personal car ownership. Driver-operated ridesharing currently runs five to six times the cost of owning a private car — eliminating that cost is fundamental to expanding access.

The Zoox vision for a safer, more inclusive future

AI-powered autonomous systems can detect objects, predict behavior, and react continuously, including in low lighting and adverse conditions. Our sensor suite of cameras, radars, lidars, and long-wave infrared cameras at each corner of the vehicle provides 270-degree overlapping visibility, capturing aspects of the environment that human drivers routinely miss: objects obscured by other objects, and pedestrians detected through thermal imaging at night.

AI also introduces its own risks. Computer vision systems can reflect the biases of their training data. By pairing computer vision with LiDAR, radar, and thermal imaging — modalities that generate signals based on physical properties rather than color — we work to reduce AI-introduced bias and extend equal detection accuracy to all road users.

Paving the road to universal urban mobility

Autonomous robotaxis have the potential to reinvent personal mobility and make city travel safer for everyone. We are not there yet. But we are committed to building toward a future where transportation breakthroughs contribute to a more equitable world — not just a more convenient one. We are excited to build that path together.