

Music to the Gears: NVIDIA's Clément Farabet on Orchestrating AI Training for Autonomous Vehicles

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Autonomous vehicles are one of the most complex AI challenges of our time. For AVs to operate safely in the real world, the networks running within them must come together as an intricate symphony, which requires intensive training, testing and validation on massive amounts of data.

Clément Farabet, vice president of AI infrastructure at NVIDIA, is a proverbial maestro behind the AV development orchestra. He's applying nearly 15 years of experience in deep learning — including building Twitter's AI machine — to teach neural networks how to perceive and react to the world around them.

Farabet sat down with NVIDIA's Katie Burke Washabaugh on the latest episode of the AI Podcast to discuss how the early days of deep learning led to today's flourishing AV industry, and how he's approaching deep neural network development.

Tapping into the NVIDIA SaturnV supercomputer, Farabet is designing a highly scalable data factory to deliver intelligent transportation in the near term, while looking ahead to the next frontiers in AI.

Lucid Motors' Mike Bell on Software-Defined Innovation for the Luxury EV Brand

AI and electric-vehicle technology breakthroughs are transforming the automotive industry. These developments pave the way for new innovators, attracting technical prowess and design philosophies from Silicon Valley. Hear how Lucid Motors is applying a tech-industry mindset to develop software-defined vehicles that are always at the cutting edge.

Driver's Ed: How Waabi Uses AI, Simulation to Teach Autonomous Vehicles to Drive

Teaching the AI brains of autonomous vehicles to understand the world as humans do requires billions of miles of driving experience. The road to achieving this astronomical level of driving leads to the virtual world. Learn how Waabi uses powerful high-fidelity simulations to train and develop production-level autonomous vehicles.

Polestar's Dennis Nobelius on the Sustainable Performance Brand's Plans

Driving enjoyment and autonomous driving capabilities can complement one another in intelligent, sustainable vehicles. Learn about the automaker's plans to unveil its third vehicle, the Polestar 3, the tech inside it, and what the company's racing heritage brings to the intersection of smarts and sustainability.

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