

AI/ML Lead Engineer - DUALARITY

Location: Palo Alto or Ireland

DUALARITY is seeking an **AI/ML Lead Engineer** to lead the design, development, and deployment of AI-driven solutions for our wearable ecosystem. In this role, you will be responsible for the core AI architecture that powers our real-time auditory and visual enhancements, transforming sensory experiences for users. This is an opportunity to build the foundation of DUALARITY's AI systems, from research to production, ensuring seamless integration across devices.

As the AI/ML Lead Engineer, you will:

- **Lead the design and development** of AI/ML models, focusing on real-time auditory and sensory augmentation technologies.
- **Architect and optimize the machine learning pipeline** for data collection, training, and deployment across mobile and wearable platforms.
- Collaborate closely with **cross-functional teams**, including product design, software engineering, and data science, to develop AI features that deliver personalized, high-performance user experiences.
- **Ensure the scalability and efficiency** of AI models, especially for low-latency, high-accuracy processing on mobile devices and wearables.
- **Mentor and manage a growing AI team**, fostering an inclusive, innovative, and high-performance culture.
- Work closely with leadership to align **AI goals with business and product strategies**, playing a pivotal role in securing A-round funding through technical demonstrations.
- **Stay up-to-date** with the latest research in machine learning, natural language processing (NLP), computer vision, and sensor fusion to continuously improve DUALARITY's solutions.

You will thrive in this role if you:

- Have a proven track record in **AI and machine learning**, particularly in building and deploying real-time models for mobile or wearable devices.
- Are experienced in **Python, TensorFlow, PyTorch**, or similar AI frameworks, with a deep understanding of neural networks and model optimization.
- Are proficient in **data engineering and ML infrastructure**, with experience designing pipelines for continuous integration and deployment (CI/CD) of AI models.
- Have expertise in **supervised, unsupervised, and reinforcement learning**, with knowledge of transfer learning and edge-based deployment.
- Are passionate about **human-centered AI** and using technology to enhance sensory experiences, particularly in the fields of hearing and vision augmentation.

- Possess strong **leadership and mentoring skills**, with the ability to build and manage a high-performance team.
- Thrive in **fast-paced environments** and are comfortable managing ambiguity, adapting to evolving business and product requirements.

Bonus: Experience with **augmented reality (AR)**, **computer vision**, or **NLP technologies**.

About DUALARITY

DUALARITY is pioneering the future of sensory technology with AI-driven wearable solutions that enhance hearing, sight, and more. By combining advanced AI with intuitive design, we aim to empower individuals with hearing impairments and sensory challenges to live safer, more connected lives.

Our commitment is to human-first AI: developing technology that adapts to the user's needs, ensuring that DUALARITY's solutions improve not just function, but the quality of life. By focusing on real-time auditory and visual processing, we provide individuals with tools to interact with their world in a way that is personalized, secure, and seamless.

At DUALARITY, diversity of perspectives and backgrounds is key to building solutions that serve the full spectrum of human experiences. We are committed to fostering an inclusive environment where creativity, innovation, and bold ideas flourish.

Compensation

Competitive salary + Equity opportunities.