AgZen’s mission is to eliminate pesticide waste and pollution. Our patented sprayers and additives, developed at MIT, allow farmers to spray up to 50% less pesticides while maintaining crop health and yield. We are a vibrant startup based in Boston, Massachusetts, and we are committed to helping farmers save money and preventing the over-spraying of agrochemicals. AgZen is venture-backed, and we’ve won prizes and awards from prestigious competitions like the MIT 100K and the Rice business plan competition.

We are looking for a sharp, tenacious, and creative Computer Vision Engineer to develop AgZen’s sensing and software products. This position is at the intersection of agrochemical spraying, computer vision, and hardware. You will own and contribute to the development of our software platforms and interact heavily with our world-class engineering team to build technology that can help farmers make spraying more efficient.

**What you will do:**

- Develop, test and deploy state-of-the-art computer vision algorithms
- Implement deep-learning models and frameworks that can be used in object detection, objecting tracking, matching, scene segmentation, depth estimation, active learning, etc.
- Drive high-level decisions on perception and classification algorithms
- Supervise the model development cycle from the prototype stage to field deployment
- Build machine learning models for data coming from several sensors such as vision, radars, and thermal cameras and evaluate tradeoffs.
- Develop new methods to improve classification performance and increase processing speed
- Work with hardware engineers to transition processing from desktop/server class machines to real-time embedded systems.
- Work with the technical team to help architect and develop data processing and annotation pipelines for continuous system monitoring and improved field operations.

**About you:**

- You care about food production and the environment and are genuinely curious and innovative
- You have a strong background in computer vision, deep neural networks, math, and optimization.
- You have unwavering personal integrity and work ethic
- You are proactive, productive, and complete tasks promptly
- You excel in a fast-paced, team-centric environment that is transparent and accountable
- You enjoy building new technologies that integrate different fields

**Qualifications:**

- Bachelor's or Advanced Degree in Computer Science or Electrical Engineering
- 3+ years of experience in developing algorithms and solving problems in vision/perception
- 2+ years in developing machine learning systems, with expertise in deep learning systems
- Adept with the latest research in perception, machine learning, deep learning, and robotics and can implement the latest research papers from relevant fields.
- Experience working with robotics systems that use perception and AI components is a plus.
- Proficiency in Python, PyTorch, or TensorFlow and related tools
- Experience with real-time algorithms on GPU/CPU is a plus
- Practical experience with cameras, camera sensors, and interfaces.

**What we offer:** Competitive salaries, early-employee equity, 401(k) with employer matching, generous PTO and paid holidays, health, dental, and vision insurance.

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