Computer Vision Engineer – Mid Level

Sacramento, CA | Hybrid (2 days onsite) | Full-time | Department: Perception & Analytics

Reports to	CV Engineering Manager	Team	Field Imaging
Level	Mid-Level	Travel	Up to 15%
Posting date	February 24, 2026	Start window	Next 6-12 weeks

About the company

AgriSight builds precision agriculture from drones and sensors. Our teams ship software frequently, measure outcomes, and invest in reliability and security. Our systems detect crop stress and estimate yield from aerial imagery, helping growers act earlier and reduce waste.

Role summary

Develop and deploy computer-vision algorithms for production applications. You will own model development, integration, and continuous improvement based on field performance.

What you will do

- Build CV pipelines for detection, segmentation, recognition, or tracking
- Work with labeling partners to define guidelines and ensure dataset quality
- Integrate CV models into production systems; improve robustness under real-world conditions
- Optimize for real-time performance and resource constraints
- Write unit/integration tests, documentation, and runbooks for deployed components
- Collaborate with product and engineering teams to deliver milestones

What we are looking for

Required

- 3-5 years of experience in computer vision or applied ML
- Strong Python/C++ proficiency and familiarity with OpenCV
- Experience with deep learning and CV architectures (CNNs, transformers for vision)
- Experience with GPU acceleration and model serving
- Strong debugging skills and comfort with experimentation

Preferred

- Experience with embedded/edge deployment
- Experience with 3D vision, SLAM, or multi-view geometry

- Experience with synthetic data generation or simulation

Tech stack (typical)

Python/C++, PyTorch, OpenCV, CUDA, Docker, Linux, CI/CD; GeoTIFF pipelines, segmentation models, edge compute

Success looks like (first 90 days)

- Deliver an end-to-end model improvement with an agreed evaluation plan and measurable lift
- Harden a training or inference pipeline (tests, monitoring, runbooks) and reduce operational toil
- Partner with product to define a rollout plan; participate in an A/B test or controlled launch
- Mentor a junior engineer through at least one project milestone

Compensation & benefits

Base salary range: $155,000 - $205,000 per year. Includes eligibility for bonus depending on level. Final offer depends on experience, skills, and location.

- Competitive salary and annual bonus or equity (role dependent)
- Medical, dental, and vision coverage
- 401(k) or local retirement plan with employer match (where applicable)
- Flexible PTO and paid holidays
- Learning budget for courses, conferences, and books
- Home-office/remote-work stipend (where applicable)

Interview process

- Intro call with Talent Partner (20-30 min)
- Technical screen (coding + ML/system fundamentals)
- Onsite/virtual loop (2-4 interviews: ML, systems, product, collaboration)
- Final conversation with hiring manager

We are an equal opportunity employer. All qualified applicants will receive consideration without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability, veteran status, or any other legally protected status.

If you require an accommodation during the application or interview process, please let us know. We will work with you to meet your needs.