



Optosurgical, LLC
6751 Columbia Gateway Dr. Suite 300,
Columbia, MD 21046
Tel: (240) 271-7789
<https://www.optosurgical.com>

Computer Vision / ML Engineer Intern

Optosurgical, LLC is an early-stage imaging medical device startup that is developing a handheld camera system that can provide structural and functional tissue information to operating surgeons in real-time. We are looking to hire a highly motivated graduate student for a full-time/part-time summer internship opportunity, with the potential to extend into the fall semester.

An ideal candidate will have a strong background in: Computer Science, Mechanical Engineering, Electrical Engineering, Biomedical Engineering, or a related field. If interested, the candidate will be exposed to various aspects of what it's like to grow a startup from the ground up (R&D, Optical system integration & prototyping). Work will be performed primarily in our Columbia, Maryland office. Pay is commensurate with experience (minimum \$17/hr). Our close-knit team is excited to welcome the talented applicant and grow our venture together!

Specific duties and responsibilities:

- Medical imaging data collection and labeling
- Machine Learning (ML) model testing
- Assist in day-to-day logistical and operational tasks
- Stay up to date with relevant research and prepare weekly/monthly update reports and presentations for team

Required qualifications:

- Familiarity with Python
- Solid knowledge of machine learning frameworks
- Strong written and verbal communication skills
- Flexibility with assigned tasks and duties
- Candidates must be legally authorized to work in the United States on a full-time basis for the duration of the internship without sponsorship.

Ideal applicants will have:

- Proven experience in machine learning projects
- Familiarity with PyTorch, OpenCV, and ROS
- Understand basic ideas and terms of medical imaging and optical imaging (3D vision, medical robotics, minimally invasive surgery)
- Usability testing experience + familiarity with usability documentation (IEC 62366, etc.)
- Familiarity with medical field: thyroid surgery, liver surgery, abdominal surgery

Application Process

Interested applicants should send their resume, cover letter, and unofficial transcript to:

- Yoseph Kim, Chief Executive Officer
- Optosurgical, LLC yoseph.kim@optosurgical.com
- Deadline to apply: Feb 29, 2024