

Machine Learning and Computer Vision Coop *June 2020 Start*

Cambridge, Massachusetts, United States

Company Description

RaySecur is revolutionizing security imaging with the world's first desktop scanners capable of seeing inside objects, such as packages and letters. A game-changer relative to x-ray which produce static 2D images and uses ionizing radiation, our mmWave systems are completely safe and provide a real-time, 3D view of concealed items in full motion. Our systems are used by Fortune 500 companies and governments around the world and are backed by cutting-edge AI software and expert support through our partnership with the EOD Warrior Foundation, providing our clients with access to the world's leading threat experts on demand.

Job Description

The RaySecur Machine Learning and Computer Vision Coop Program is a full-time (40 hr/wk) program, open to select students majoring in Computer Science or related disciplines. Graduate students and advanced undergraduates may be considered. Students will participate in efforts related to a National Science Foundation (NSF)-supported AI development project, which includes image and video processing, computer vision, networking and communications, and machine learning and artificial intelligence as relates to visual information.

Qualifications

Successful applicants will contribute to the design and implementation of software related to processing optical information generated on imaging systems, including computer vision, machine learning and AI algorithms, real-time image and video streaming, implementation of real-time communications protocols and more.

- Must have declared a major in Computer Science or a related discipline (e.g., mathematics).
- Must have experience in the following programming languages and technologies:
 - C++
 - both server and client-side Javascript
 - database management systems
- Preference will be given to candidates with demonstrated coursework/experience in the following:
 - Data structures
 - Operating Systems
 - Computer Networking
 - Computer Architecture
 - Computer Graphics
 - Computer Vision
 - Artificial Intelligence
 - Parallel and Distributed Processing
 - Probability and Statistics, Linear Algebra
 - Signal Processing
 - Data Modeling

Location: RaySecur is located in Cambridge within walking distance of the Alewife station on the red line.

Interested candidates should send resume and cover letter to: careers@raysecur.com

AN EQUAL OPPORTUNITY/DRUG-FREE EMPLOYER

We are an equal opportunity employer and do not discriminate against any applicant because of race, color, religion, sex, national origin, age, disability, sexual orientation, marital status or any other class protected by federal, state or local law.