Serena Li

linkedin.com/in/serenawli
github.com/acrantel
seren@mit.edu

SKILLS

Programming

Python, JavaScript/TypeScript, Java, C++, Scheme, Git, OpenCV, React, Node.js, Django

Other

Leadership, communication, teamwork, project management

WORK EXPERIENCE

Scale AI | Software Engineering Intern, 3D Team   *San Francisco | May 2022 – August 2022*

- Full-stack software engineering on annotation tools and services for 3D sensor data (TS/Node.js/React).
- Developed a new LiDAR scene labeling pipeline to unlock cost and times savings with labeler specialization and ML prelabeling.
- Working on customer-facing APIs to enable scene relabeling requests.

Ambience Healthcare | Software Engineering Intern   *San Francisco | June 2021 – August 2021*

- Built parts of an event sourcing model for an ontology, as well as parts of an ontology editor (TS/Next.js).
- Built a Slack bot that calculates customer metrics, scrapes physician schedules from our EMR system, schedules product testing, and notifies when an important client interaction occurred with the product. Saved the team 5 hours of manual work per week.
- Worked closely with customer operations team and medical consultants.

Liphardt Lab, Stanford University | Research Intern   *Remote | June 2020 – September 2020*

- Built a mobile app to capture and process images of COVID-19 tests (React Native).
- Built a symptom collection web app with secure multiparty computation protocols (Python).
- Trained linear, random forest, SVM and KNN models on over 3 million symptom data to classify reported symptoms as COVID-19 positive or negative (Python).
- Coauthored a research paper on privacy preserving computation in healthcare.

EDUCATION

Massachusetts Institute of Technology | Computer Science | GPA 5.0/5.0   *Expected June 2024*

Courses: ML in Healthcare, Computer Vision, Intro to Algorithms, Intro to ML, Fundamentals of Programming
Planned Courses: Probability, Managerial Finance, Advanced Algorithms, Computer Architecture

Foothill College | GPA 4.0/4.0   *Dual Enrollment, July 2019 - June 2021*

Courses: Multivariable Calculus, Linear Algebra, Beginning C++, Intermediate C++, Network Basics

ACTIVITIES

MIT Battlecode Programming Competition | President   *August 2022 – Present*

- Work on competition infrastructure (Google Cloud, Go), competitor dashboard (React, Python/Django)
- Manage development of Battlecode tech stack, handle large event logistics.

Gunn Robotics Team | Controls Lead   *August 2019 – May 2021*

- Participated in FIRST Robotics Competition, led my subgroup in programming/wiring the robot (Java, Python).
- Worked with LiDAR, OpenCV, robotics control, Arduino.