

ANNA ELISE WONG

+1 (415) 871-1683 ◇ anna.elise781@gmail.com ◇ LinkedIn: annaelisewong

WORK EXPERIENCE

Fetch Robotics (now Zebra Technologies)

Robotics Engineer II

San Jose, CA

June 2022 - June 2023

- Worked within a team of roboticists to develop on-board Linux software written using ROS, C++, and Python for a fleet of autonomous mobile robotics used in warehouse automation.
- Wrote a service for performing rasterization of annotations onto maps. Redesigned code architecture to provide better efficiency, testability, and accuracy through providing a single source of truth.
- Designed and developed a remote tele-operation tool to improve safety of navigation for robots in warehouse environments by providing relevant contextual information and intuitive navigation controls to users in a single user interface.
- Developed software using C++, Python, Go, ROS. Performed user interviews, competitive analysis of similar market products, and data analysis of findings.

University of California, Santa Cruz

Senior Design Project-Computer Vision/Machine Learning Lead

Santa Cruz, CA

September 2021 - June 2022

- Worked within a team of undergraduate students to build a dexterous robotic hand and arm that can harvest farms autonomously.
- Developed software using Python for perception and identification of tomatoes and other environmental factors using RGB/depth cameras.
- Trained a CNN model for identifying tomatoes using PyTorch.

Human Computer Interaction Institute-Carnegie Mellon University

Undergraduate Research Intern

Pittsburgh, PA

May 2021 - Aug 2021

- Worked within a team of researchers under John Zimmerman and Jodi Forlizzi to design a taxonomy of common AI uses within UX designs. Project aims to support UX designers without a formal AI training or background with product design and AI integration.
- Designed experiments, performed self-instructed research, and conducted research in human-computer interaction design.

Human Computer Interaction Lab-UC Santa Cruz

Undergraduate Research Assistant

Santa Cruz, CA

Oct 2020 - June 2022

- Worked within a team of researchers under Leila Takayama, Elin Carstensdottir and Honda Research Institute on an undisclosed project relating to social robots and path planning. Member of the simulation programming team.
- Designed experiments, collected data for developing human-robot cooperative algorithms, built a simulation of social agents, and programmed robot behavior for optimal obstacle avoidance.

EDUCATION

B.S. Robotics Engineering, 2022

University of California, Santa Cruz

RELEVANT SKILLS

- C/C++, Python, ROS, Go, MATLAB, Linux OS, Docker, Bazel, LaTeX
- Atlassian, Team Management/Teamwork, Public Speaking, Data Collection/Analysis