

# Evan Straw

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Git: <https://git.sr.ht/~estraw/>

## Education:

University of Washington, Seattle, WA

Computer Science, Mathematics (BS), expected graduation June 2022

GPA: 3.71; Dean's List (2018 – 2019, 2019 – 2020)

## Experience:

Technical Projects:

- Independent study research project on visual odometry for robotics, using OpenCV in C++
- AR tag detection computer vision system for robotics, using OpenCV in C++
- Object detection computer vision system for robotics, using Tensorflow Object Detection API, custom dataset and machine learning module, OpenCV in C++
- Android application for creating and labeling image datasets for machine learning, using Java

Work Experience:

- Rolling Robots (Glendale, CA): Jun 2016 – Dec 2020
  - STEM class instructor: taught classes on robotics and computer programming to elementary and middle school students, designed and wrote curriculum for some courses, coached middle school VEX Robotics team for 3 seasons.

Leadership Experience:

- Leader of Software Team for Husky Robotics (2021 – Present)
- Leader of AR Tag Detection team for Husky Robotics (2019 – 2020)
- Technical Lead for UW Anti-Cinema Cinema Club (2019 – Present)
- Promotion of Husky Robotics team at Engineering Department open house (2019)

Activities/Memberships:

- Husky Robotics, Software Team, University Rover Challenge (2018 – Present)
- Building and flying unmanned RC aircraft (fixed-wing airplanes, quadcopters)

## Skills:

Languages:

C, C++, Scheme/Racket, Java, HTML/CSS, Javascript, OCaml, Python

Technical skills:

- GNU/Linux environment and shell commands
- Robotics and RobotC
- 3D modeling and printing, laser cutting

## Relevant Coursework:

- *Data Structures & Parallelism (Java)*
- *Systems Programming (C, C++)*
- *Web Programming (HTML, CSS, JS, PHP, SQL)*
- *Programming Languages (OCaml, Racket)*
- *Computer Vision (C, C++)*
- *The Hardware/Software Interface (C, some X86 Assembly)*