

Aidan Heller

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Education

Bachelor of Science in Computer Science (graduation in Spring 2025),
Oregon State University, Corvallis, OR, United States, GPA: 3.30

- **Data Structures** - store and operate on many forms of data with minimal runtime and space complexity, from graphs to hashmaps
- **Computer Architecture** - use 32-Bit MASM to write efficient micro-programs, understand CPU instructions and their execution cycles
- **Web Development** - use *HTML*, *CSS*, *JS*, and the *MERN Stack* to create static and dynamic web pages, servers, and manage databases
- **Argument & Critical Discourse** - effectively communicate and interpret ideas in both written and spoken forms using techniques of argumentative construction and analysis

Skills

- Experienced with *Java*, *Kotlin*, *C*, *C++*, *Rust*, *HTML*, *CSS*, *JavaScript*, *TypeScript*, *PostgreSQL*, *MongoDB*, *ExpressJS*, *Bash*, *Git*, *Github*, *Docker*, and the *Linux Operating System*
- Microsoft Suit (*Word*, *Powerpoint*, *Excel*), and *Visual Studio Code*
- Proficient at communicating ideas and working with others towards a common goal

Work/Experience

South Eugene Robotics Team (September 2016 - June 2020)

- Use *Java* and *Kotlin* to create autonomous robot routines
- Built team-related applications with *JavaScript* and *ReactJS*, such as an [application](#) to store and view data about various robots
- Experience with leadership roles and task delegation
- Participated in [Go Baby Go](#) community outreach program to help young children to achieve mobility
- Participate in team hackathons to work to create applications using *JavaScript* and *ReactJS*, such as an application to manage inventory for donation centers

Motion Process Control Laboratory Internship (July 2019)

- Use *Java* to create a GUI to allow user to edit smoothed kinematic motion profiles, and then test the motion profiles on a real motor using PID motion control
- Use instructions and feedback to create a final product

L8S Software (October 2021 - June 2022)

- Use *TypeScript*, *ReactJS*, *Rust (Programming Language)*, and *PostgreSQL* to work on a full-stack inventory management app for a local company
- Use *Git* and *GitHub* to work alongside other employees on a large project
- Follow feature specifications and use feedback to add functional and cohesive features to an existing web application
- Respect company style guides and coding conventions