

**Jared Fellin**  
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## EDUCATION

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### University of California, Los Angeles (UCLA)

*B.S. in Computer Science*

*Minor in Asian Languages (Concentration in Korean)*

**Expected Graduation:** June 2028

**Relevant Coursework:** Computer Science I & II (C++ programming, OOP, data structures, recursion), Computer Organization (assembly, computer architecture, , memory management, operating systems)

## WORK EXPERIENCE

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### Cathedral High School | *Robotics Instructor* Jun - Aug 2022

- Led a hands-on summer robotics program for middle school students interested in STEM and engineering.
- Introduced students to basic concepts in circuitry, mechanical design, and control systems through engaging, project-based learning.
- Emphasized safety and tool handling protocols in a lab environment.

### UCLA Recreation & Happy Swimmers | *Lifeguard* Oct 2024 - Present

- Maintain certifications in CPR, AED, and water rescue techniques through regular training.
- Conduct pool inspections and chemical checks to ensure a safe environment.
- Ensure a safe environment through constant attentiveness and clear, professional communication with both patrons and team members.
- Provide lifeguard services while collaborating with clients to determine event-specific safety needs and coverage plans.

## PROJECTS & EXTRACURRICULAR ACTIVITIES

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### Bruin Space | **RAPID Software Subteam**

- Responsible for the firmware, software, and ground station software used for Bruin Spacecraft Group's space mission design and development, primarily using .
- Collaborate with cross-disciplinary subteams to contribute toward launching RAPID-0 to collect radiation data in Earth's atmosphere.
- Work closely with engineers across multiple subteams to diagnose design challenges, align objectives, and deliver software solutions.

### Port Scanner | **Perl**

- Developed a Perl-based TCP port scanner script to identify open network ports on a target host.
- Added support for command-line arguments to specify target IPs, custom port ranges, and output logging.
- Gained hands-on experience with TCP/IP networking and network security fundamentals.

### Personal Website | **HTML, CSS, JavaScript**

- Designed and built a responsive portfolio site from scratch, hosted at [jaredfellin.com](http://jaredfellin.com).
- Integrated a project showcase and contact form; deployed using GitHub Pages.
- Implemented mobile-first responsive design and used semantic HTML to improve accessibility and SEO.

## TECHNICAL SKILLS

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- **Languages:** Python, Java, C++, JavaScript, HTML/CSS, TypeScript, Perl
- **Tools & Frameworks:** Git, Linux, Bash, Xcode, React
- **Concepts:** Object-Oriented Programming, Functional Programming, Data Structures, Algorithms, Memory Management, Recursion, Algorithm Analysis, Software Design Patterns, Networking