
Ryan Bell

Tigard, Oregon

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Portfolio Link: projects.engineering.oregonstate.edu/profile/?id=ht02uaTp0DJDBsVK

EDUCATION

Oregon State University, Corvallis, Oregon - *Anticipated Bachelor of Science 2026*

September 2022 - Present

- Electrical and Computer Engineering Major, Spanish and Computer Science Minor
 - Taken classes such as Operating Systems, Computer Networks, Signals and Systems, and Computer Architecture and Assembly Language
- Oregon State University Triathlon Club
 - Collaborated with other club members to run our fundraiser triathlon, the Beaver Freezer, with over 400 racers, as the Assistant Race Director (December 2023 - May 2024) and as the Race Director (May 2024 - Present)

Tigard High School, Tigard, Oregon - *IB Diploma*

September 2018 - June 2022

- Earned 67 college credits through the IB Diploma program
- Swimming and Water Polo Team Captain (2021 - 2022)
- Member of Scouts BSA Troop 423 during high school
 - Planned weekly meetings (including virtual meetings) and monthly outings for about 50 scouts as Senior Patrol Leader (February 2020 - September 2021)
 - Earned Eagle Scout rank

WORK EXPERIENCE

Oregon State University Department of Recreational Sports, Corvallis, Oregon - *Lifeguard*

April 2024 - Present

- Lifeguarded while attending classes at Oregon State University

Tigard Tualatin Aquatic District, Tigard, Oregon - *Lifeguard, Head Guard*

May 2021 - Present

- Responsible for supervising open swims and lap swims throughout the week
- Taught swim lessons to about 90 children each summer using my own lesson plan

NOTABLE PROJECTS

User Friendly Timer - *March 2025*

- Worked in a three-person team to design and build a battery powered countdown timer using an ESP32 that counts down until the timer reaches zero or an object is removed from the top of the sensor, displaying time output on an LCD screen
- Used Arduino IDE for programming and 3D modeling software to design an enclosure

smallsh Custom Shell - *November 2024*

- Used C to implement common shell commands such as cd, status, and exit
- Handled input and output redirection, implemented custom signal handlers
- Developed a function to parse commands into tokens

SKILLS

Programming Languages - C, C++, MATLAB, Rust, Assembly

Software - KiCad, Arduino IDE, Quartus Prime, LTSpice, MS Office Suite