

Jacob Young
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EDUCATION

University of Washington

Sep.2021 - June.2025 (expected)

Bachelors of Science in Computational Finance and Risk Management & Computer Science

GPA: 3.87

Core courses: *Foundations of Computing, Data Structures and Parallelism, Software Engineering, R Programming for Quantitative Finance*

SKILLS

- **Programming:** Java, Typescript, C, C++, Matlab, Bash, R, R Markdown, Python
- **Software:** Git, Visual Studio, Rstudio
- **Framework:** Node.js, React

PROJECT EXPERIENCE

Guardian Security using T-Mobile DevEdge Oct. 2022 (*Node.js, AWS*)

- Led front End-Development of a security/monitoring webpage that processed sensor data from DevEdge kit through AWS and used Node to display the information, intended for hands-off childcare
- Made use of Google Maps API to actively show location
- Honorable Mention for DubHacks 22 T-Mobile Hardware Track

Rank Comparison Game Aug.2022 – Sept.2022 (*Node.js*)

- Node.js application where the user drags and drops the given items in their preferred ranking
- The application compares the user's rankings to all submitted rankings recorded server-side and awards points based on correct ordering

University of Washington Meal Planner Dec.2021 – Jan.2022 (*Java*)

- Developed a Java program to budget university meal plan spending.

WORK EXPERIENCE

Lifeguard/Swim Instructor | Mission Valley Swim Club April.2017 – Sep.2022

- Enforcing safety regulations/monitoring/ providing medical assistance to patrons
- Teaching a variety of students swimming fundamentals and improvements to their technique.

EXTRACURRICULARS

University of Washington Remotely Operated Underwater Vehicle Team Sept. 2022 – Present

- Building a Remotely Operated underwater Vehicle(ROV) and competing in the MATE ROV Competition, member of the Software subteam
- **Projects:**
 - Control Core (Python): wrote and implemented a motor power to PWM value calculator by interpolating existing data,

University of Washington Circle K Feb.2022 – Present

- Serving the Greater Seattle Area through projects such as Food Bank Volunteering, local park cleanups, and providing recycling materials at tailgates

DubHacks (2021 & 2022)

- Annual Hackathon hosted by the University of Washington, collaborated on projects with previously unknown people and attended industry workshops