

NICOLAS ROBERTS

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EDUCATION

B.S. Computer Science and Systems – August 2021 – University of Washington Tacoma, GPA 3.8
Minor in Mathematics

Annual Dean's List 2020-2021, GPA 3.8

SKILLS & TECHNOLOGIES

Proficient: Java, JavaScript, Python

Technologies: GitHub, Git, Subversion, Visual Studio Code, Eclipse, Android Studio, JUnit, Terminal, Linux, Ubuntu, PostgreSQL, Postman, Heroku, LabVIEW, Microsoft 365 products, HTML, CSS

Worked With: C, Erlang, R, Bootstrap, GitHub Projects

Relevant Coursework: Completed Data Structures and Algorithms

WORK EXPERIENCE

- 9/2021-Present** **Operations Research Analyst – NAVSEA Naval Undersea Warfare Center, Keyport, WA**
Obsolescence management and data analysis for naval surface vessels' systems using Microsoft Excel and various Navy databases. Increased efficiency and productivity by automating manual data entry tasks.
- 7/2020-9/2020** **CS Intern – NAVSEA Naval Undersea Warfare Center, Keyport, WA**
Software development for a Weapons Station Test Facility Torpedo Rotator. Responsibilities included: LabVIEW project design (event driven state machine), client-target communication using NI's compactRIO, FPGA logic design using I/O user-defined variables, integration of Python equation solver script into LabVIEW, project client/developer agile methods (meetings, prototype, software demo presentation). Obtained Secret Security Clearance good for 10 years.
- 8/2019-8/2021** **Marketing Communications Coordinator – University of Washington Tacoma**
Part time position for the Center of Service and Leadership office. Worked with a student team to create, market, and run various volunteer and community service-related events using Drupal (HTML/CSS), Publisher, Presence, and Qualtrics.

PROJECTS

- 4/2021-6/2021** **Android Messaging App** – Developer of a phone app able to manage/message contacts and display user's weather. Individual responsibilities: development of Android Studio/Java messaging system, PostgreSQL database, and JSON web endpoints.
- 1/2021-3/2021** **Cast to the Shadows** – A fully functional indie-style web browser video game coded primarily in JavaScript. Top peer-rated game developed with three other students using the scrum agile software methodology. Individual responsibilities: coding enemy AI and game movement, collision detection, created all-original graphics and sprites, performed cello and composed original music integrated into the game.
- 10/2019-10/2019** **NASA Space Apps Hackathon** – Worked with a team of four other students to create a text adventure game prototype in time-limited, high-pressure environment. Game intended to raise awareness for kids K-9 of the growing problem of space debris. Individual responsibilities: front end development using html/CSS and version control using GitHub.

ACTIVITIES/INTERESTS

Huscii Coding Club – UWT club hosting various computer science activities such as programming conferences, hackathons, and interview workshops.

Cello Performance – Cellist with 10 years of professional development and extensive performance experience. Founding member of the Alaska Cello Intensive. Cello choir Uptown Funk video garnered over 2 million views.