

NICOLAS ROBERTS

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SUMMARY

Contribute to company success by defining and solving technical challenges in the setting of possibly ambiguous or undefined parameters using perseverance, technical skills, and effective communication.

EDUCATION

University of Washington Tacoma Fall 2018 – August 2021

Major: BS Computer Science and Systems

Minor: Mathematics

GPA 3.8

Relevant Coursework: TCSS 305 Programming Practicum, TCSS 321 Discrete Structures, TCSS 342 Data Structures, TCSS 371 Machine Organization, TCSS 343 Algorithms, TCSS 372 Comp Architecture, TCSS 422 Operating Systems.

Technical Skills: Java, Android Studio, JavaScript, Python, HTML, CSS, LabVIEW, PostgreSQL, Microsoft 365, compactRIO, Eclipse, Visual Studio Code, Subversion, GitHub,

WORK EXPERIENCE

Operations Research Analyst – NAVSEA Naval Undersea Warfare Center Division Keyport, WA
09/2021-Present

Responsibilities included: Obsolescence management and data analysis for naval surface vessels' systems using Microsoft Excel and various Navy databases.

CS Intern – NAVSEA Naval Undersea Warfare Center Division Keyport, WA
07/2020-09/2020
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 running RT Linux OS, FPGA logic design using I/O user-defined variables, integration of Python equation solver script into LabVIEW, project client/developer agile methods (meetings, prototypes, software demo presentations). Obtained Secret Security Clearance good for 10 years.

Marketing Communications Coordinator – University of Washington Tacoma
08/2019 – 08/2021
Part time position for the Center of Service and Leadership office. Responsibilities included: Working with a team of students to create, market, and run various volunteer and 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. Responsibilities included: Android Studio/Java development of 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. Developed with three other students using agile software methodologies. Responsibilities included: coding enemy AI and game movement, creating all-original graphics and sprites, performing cello and composing 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 targeted to kids K-9 that raised awareness of the growing problem of space debris. Personal responsibilities included front end development using html/CSS and version control using GitHub.

ACTIVITIES/INTERESTS

Huscii Coding Club – A club at UWT that hosts 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.