NICOLAS **ROBERTS**

GitHub: https://github.com/NicoRoberts | LinkedIn: www.linkedin.com/in/NicoRoberts

EDUCATION

B.S. Computer Science and Systems – August 2021 – University of Washington Tacoma
Minor in Mathematics
Dean's List 2020-2021, GPA 3.8

SKILLS & TECHNOLOGIES

Proficient: Java, JavaScript, Typescript, Python, Dart
Technologies: GitHub, Git, Subversion, SourceTree, GitHub Projects, Jira, Visual Studio Code, Eclipse, Android Studio, Xcode, JUnit, Terminal, Google Cloud Shell, Linux, Ubuntu, Node.js, React JS, Postman, PostgreSQL, Firebase, Heroku, LabVIEW, Power BI, Power Query, Microsoft 365, HTML, CSS, Bootstrap
Worked With: C, C++, Swift, Erlang, R, VBA, SQL
Relevant Coursework: Completed Data Structures and Algorithms

WORK EXPERIENCE

3/2022-Present — **Full Stack Software Engineer – Dronelink, Austin, TX**
Software Engineer for drone automation company Dronelink. Individual responsibilities: develop, design, and test new features and flight path algorithms for company's web app and native apps (android/IOS) using waterfall software development methodology. Incorporate various drone manufacturer SDKs into codebase enabling Dronelink's many features. Provide customer care and support via online forums and flight testing with various drone models. Maintain code and update dependencies throughout codebase.

9/2021-6/2022 — **Operations Research Analyst – NAVSEA Naval Undersea Warfare Center, Keyport, WA**
Project management, data visualization, and data analysis for naval surface vessels' systems using Power Query, Excel, VBA, and various Navy databases. Increased efficiency and productivity by scripting and automating manual data entry tasks. Obtained Secret Security Clearance valid for 10 years.

7/2020-9/2020 — **Computer Science Intern – NAVSEA Naval Undersea Warfare Center, Keyport, WA**
Software development for a Weapons Station Test Facility Torpedo Rotator. Individual responsibilities: 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).

8/2019-8/2021 — **Marketing Communications Coordinator – University of Washington Tacoma**
Part time position for the Center of Service and Leadership office. Individual responsibilities: 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 mobile 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 — **Video Game "Cast to the Shadows"** – A fully functional, top peer-rated indie-style web browser video game coded primarily in JavaScript. 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.

ACTIVITIES/INTERESTS

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