Rachel Danover

SKILLS

- **Languages:** C++, Python, Java, JavaScript, and C#
- **Tools:** Windows, Linux, Mac OS, Git/GitHub, VIM, LaTex, Google Test, Valgrind, Arduino, Tortoise SVN, Vagrant, MS Visual Studio, WPF, CSS, HTML, React, Mongo DB, QT, SQL, MySQL, Verilog, VHDL, Wireshark, GDB, and Cmake.

EDUCATION

University of California Riverside — August 2020 — June 2024
Bachelor of Science in Computer Science — GPA: 3.83

- Additional Coursework: Artificial Intelligence, Computer Architecture, Computer Networks, Computer Security, Databases, Data Analysis, and Web Development.

PROJECTS

2048 for Arduino — June 2022
Project Link: github.com/RDanover/2048-for-Arduino

- Recreated 2048 game using C++ and an Elegoo Uno R3 microcontroller
- Designed and implemented an original random function to generate tile placement
- Implemented system to determine when the game had been won or lost
- Created a system to activate individual pixels on a display

Playlist Creator — December 2021
Project Link: github.com/RDanover/Playlist-Creator

- Collaborated with a group of three people to create a proof of concept for a Playlist Creator
- Utilized C++ as well as the composite pattern, and abstract factory design principles
- Led scrum meetings and distributed feature workload amongst the team members
- Created test framework used for all features
- Implemented Hide/Unhide Song, Shuffle Playlist, and Access Playlist features

ADDITIONAL EXPERIENCE

Flight Critical Software Engineering Intern — June 2023 - August 2023
General Atomics Aeronautical Systems — Poway, CA

- Navigated a 10,000+ line code base consisting of C, C++, and JavaScript
- Worked with a team of 12 engineers on a software release and participated in code peer reviews
- Created a Python script to automate data decoding
- Audited safety alerts for a test and presented findings

Tech Consultant — June 2022 – July 2022
Target — Murrieta, CA

- Answered product questions using knowledge of sales and promotions
- Performed scheduled inventory counts and supply audits
- Managed receiving and inventory to maintain optimal stock levels

Crew Member — August 2020 – July 2021
Jersey Mike's Subs — Temecula, CA

- Collaborated with team members, accepted orders, fulfilled orders, and collected payments
- Led and performed closing and opening procedures, as well as inventory audits
- Provided excellent customer service by greeting customers, and answering questions
- Trained employees
- Awarded Employee of the Month