

# Grant Muirheid

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## OBJECTIVE

To acquire a Summer 2024 internship in Computer Science so that I can be part of a team that develops base level code that full-time programmers can implement.

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## EDUCATION

**Texas A&M University**, College Station, TX

May 2025

- Bachelor of Science in Computer Science
- A&M Dean's Honor Award (2021-2022)

**4.0 GPA**

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## EXPERIENCE

**Texas A&M University**, College Station, TX

May 2025

- Coded an object-oriented program with C++ that laid down the structure for a social media platform with the capacity for text posts, users, and hashtags
- Built a program with Python that simulates the dice game of Pig with simple graphics and menu navigation
- Designed a basic user interface with JavaFX to navigate class attendance data and help professors identify trends in frequent latecomers
- Created a CPU out of simple logic gates in HDL that runs Assembly programs

**Coding Internship**, Hill Country Data Ventures, LLC, Dallas, TX

May - Jul 2023

- Scraped over 10,000 lines of data from the web for a client using Python scripts that I built from scratch to inform the client's business decisions
- Analyzed and validated the collected data in Excel using PivotTables to ensure the accuracy of the reports
- Incrementally adjusted scripts to meet the data requests of the client and to enhance their efficiency
- Visualized the accumulated data using Power BI to provide a more digestible format for the information

**HowdyHack**, Texas A&M University

Oct 2022

- Collaborated with a team of 3 to develop a video game that helps new students navigate campus for a Hackathon
- Applied skills in Python to integrate a system for randomized in-game collectibles that made the gameplay more dynamic
- Learned Pygame during the event to help the team build a map and camera system
- Placed in the top 5 groups after demoing our project to judges and presenting to the entire event

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## ACTIVITIES / CAMPUS INVOLVEMENT

**RAMPS**, (Representing A&M by Performing Service)

Jan 2022 - Present

- Volunteer to construct accessibility ramps for those with disabilities to improve their ease of access
- Operate a miter saw to cut wood to the dimensions requested by teammates and streamline the building process
- Acquired new skills to assist in paneling a house with Habitat for Humanity and to provide living opportunities to those in need

**Electric RC Car**, Prince of Peace Christian School

Nov 2020 - Apr 2021

- Partnered with another student to propose a plan for project funding to the school
- Experimented with both nitrous and electric power-sources for reliability
- Overcame obstacles such as part shortages by repurposing gears we had on hand

**Eagle Scout Project**, Dallas, TX

Jan - May 2021

- Laid out a budget and plan for the renovation of a church's main sign to improve the establishment's appearance
- Coordinated with church board members to set up workdays and gauge the church's expectations for the project
- Lead and instructed a team of volunteers to install a cinder block border around the flowerbed, till the soil, plant flowers, and repaint the lettering of the sign

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## SKILLS

- Familiar with C++, Python, and Java
- Proficient in Microsoft Word, PowerPoint, Power BI, Excel, and PivotTables