

Ahmed Sazid Raiyan

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EDUCATION

University of California Davis 2023 - 2025
B.S Computer Science & Engineering GPA: 4.0
Relevant Courses – Algorithm Design and Implementation, Object Oriented Programming with C++, Data Structures, Assembly Language, Electricity and Magnetism, “Heat, Waves, Light and Modern Physics,” Calculus, Differential Equations, Linear Algebra

SKILLS

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- C++, Python, C#, C, JavaScript, Java, SQL, Assembly Language
 - Frameworks: ImGui, SFML, Forge
 - Strong leadership, problem solving, analysis skills
 - Experience working in individual and group settings
 - Effective verbal and written communication skills

EXPERIENCE

MindHome Inc – Software Engineering Intern Nov 2022 – Feb 2023

- Analyzed data to determine coding requirements for specialized scripts.
- Tested Robotics Utilities to be used for robot simulation.
- Utilized ROS2 to develop launch files in python that enable autonomous and teleoperated control of robots.
- Compared data between multiple data sets to determine the optimal tool for robot simulation.
- Multi-tasked across multiple functions and roles to meet deadlines and organizational expectations.
- Provided ongoing feedback on week-to-week basis to both junior engineers and senior leadership on individual performance metrics and observations, leveraging strong communication skills to facilitate collaboration.

PROJECT

Financial Tracker App Mar 2021 – May 2021

- Application with a fully integrated Graphical User Interface using ImGui and SFML to track a user’s monthly transactions.
- Helps users meet their financial goals by giving them feedback based on their income, expenses, and possible future expenses.
- Saves user data every month to help guide the user into possible future savings.

Inventory Management Script Nov 2022 – Dec 2022

- Used software development cycle to analyze, design, and implement an inventory management script that keeps track of materials in a specialized grid.
- Organized collected data and visualized it in a led monitor.
- Employed pertinent data to propose inventory requisitions for specific materials upon their depletion below a predefined threshold.