

# Ahmed Sazid Raiyan

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## EDUCATION

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**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

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**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

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**Financial Tracker App** Mar 2021 – May 2021

- Led a team in developing a user-friendly financial tracker app with an integrated GUI using ImGui and SFML.
- Provided valuable insights into user finances by analyzing income, expenses, and future expenditures.
- Contributed to user financial goals by providing actionable insights based on transaction history.

**Inventory Management Script** Nov 2022 – Dec 2022

- Implemented an innovative inventory management script for specialized material tracking.
- Automated replenishment processes by proposing requisition for materials below predefined thresholds.
- Improved operational efficiency through organized data visualization on an LED monitor