

# Rayaan Maredia

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## OBJECTIVE

Junior Computer Science student seeking a Software Engineering internship to grow my skills, contribute to meaningful projects, and collaborate in a team environment while gaining valuable learning experiences.

## EDUCATION

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

**Computer Science Bachelor of Science**

August 2022 - Present

- Emphasis area in Business
- GPA: 3.87 Class of 2026

## SKILLS

**Programming:** Python, C++, Java, Javascript, TypeScript, JavaFX, SQL (Postgres), JavaSwing, Next.JS, React.JS

**Structure and Style:** HTML, CSS, Tailwind CSS, front-end web development

**Tools:** Visual Studio Code, PyCharm, Figma, Git, Github, Eclipse, UNIX Terminal

## EXPERIENCE

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

**Peer Tutor/Teacher, Programming Design and Concepts**

August 2024 - Present

- Assisted students with C++ programming assignments during office hours and lab sessions
- Guided students in understanding C++ fundamentals and object-oriented programming concepts
- Supported students with lab homework and provided clarification on course materials
- Supported students with broader computer science questions, helping 10% of the course achieve mastery of the material.

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

**Teaching Assistant, Introduction to Python**

August - December 2023

- Facilitated comprehensive learning experiences for students in Python programming
- Instructed on Python fundamentals and concurrently emphasized problem-solving techniques to enhance analytical skills
- Delivered individualized assistance during office hours, fostering collaboration and analytical problem-solving skills.
- Guided students through Python fundamentals, contributing to a 95% course pass rate.

## PROJECTS

**Split Mobile App**

**UI/UX Designer**

December 2023

- Crafted an intuitive and visually appealing Calendar UI using Figma, prioritizing a user-friendly layout
- Implemented core functionalities of the calendar, including dynamic appearance changes and color adjustments triggered by user interactions
- Utilized React Native to translate UI design templates, optimizing performance for a smooth user experience
- Collaborated with a 10-member team to develop a social-media-style roommate discovery app, streamlining the process of finding compatible roommates

**Y86 Sequential Processor**

**Assembly programmer, Circuit designer**

May 2024

- Implemented Fetch, Decode, Execute, Memory, Writeback, and PC Update stages for a sequential CPU
- Created circuits using Logisim and programmed scripts in Y86 assembly language and converting them into machine code for hardware processes
- Developed a fully functional CPU by implementing Fetch, Decode, Execute, Memory, Writeback, and PC Update stages using Y86 assembly in a team of three

**Panda Express Point of Sales System**

**Project Manager, Full Stack Developer**

October 2024 - Present

- Led a team of 4 to develop and deploy a POS system
- Managed project coordination, timelines, and task distribution using Agile methodology
- Held weekly scrum meetings and conducted 15-minute stand-ups for progress updates
- Focused 50% on backend development (Next.js, PostgreSQL), enhancing server logic and APIs
- Contributed 20% to frontend (Next.js, Tailwind CSS), designing responsive interfaces
- Led a team of 4 to develop a POS system, integrating APIs for translations and accessibility to enhance inclusivity.
- Streamlined transactions and improved usability, earning praise from Panda Express management.