

Rayaan Maredia

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OBJECTIVE

Junior Computer Science student seeking a Software Engineering internship to expand my current skills, collaborate on complex projects in a dynamic team environment, while developing strong project management skills.

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

- Guided students in understanding C++ fundamentals and object-oriented programming concepts
- Clarified material for students and coached them with applying a methodical approach to assignments each week
- Facilitated a significant number of students to achieve mastery of C++ fundamentals
- Strengthened personal knowledge of C++ and various applicable data structures for program optimization

Texas A&M University – College Station, TX

Teaching Assistant, Introduction to Python

August - December 2023

- Fostered comprehensive learning experiences for students in Python programming during lecture sessions
- Enhanced students' understanding of Python by breaking down complex concepts into straightforward examples
- Provided personalized support during office hours, leveraging collaboration and analytical problem-solving
- Achieved a 95% course pass rate by guiding students through Python fundamentals, solidifying personal understanding of Python

PROJECTS

Split Mobile App

UI/UX Designer

December 2023

- Crafted an intuitive and visually appealing Calendar UI using Figma, prioritizing an engaging layout
- Implemented core functionalities of the calendar, including dynamic 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 matching 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
- Collaborated with a team of three to design and deliver a fully functional CPU, optimizing circuit architecture and hardware simulation testing

Panda Express Point of Sales System

Project Manager, Full Stack Developer

October 2024 - Present

- Managed project coordination, timelines, and task distribution using Agile methodology
- Held weekly scrum meetings and conducted 15-minute stand-ups for progress updates
- Implemented server-side logic and APIs (50% backend development) using Next.js and PostgreSQL.
- Designed responsive interfaces (20% frontend) using Tailwind CSS, enhancing accessibility and user experience.
- Led a team of 4 to develop a POS system, integrating APIs for translations and accessibility to enhance inclusivity.
- Streamlined transactions and improved usability, establishing a new system for the local Panda Express management.