Rahul Erukulla

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EDUCATION

The University of Texas at Austin | Bachelor of Science | Electrical and Computer Engineering | May 2023

- Specialization in Software Development
- GPA: 3.35/4.00

Relevant Coursework:

- Software Design and Implementation I and II (C/C++/JAVA/Mobile Application Development)
- Digital Logic Design, Software Engineering and Design Lab, Algorithms, Software Architectures

WORK EXPERIENCE

Teacher | Codakid | March 2021 - Present

- Teaching grade-school children programming fundamentals through a project-based curriculum focused on scratch, python, and JAVA.
- Contributed to curriculum through development of new projects using Pygame Library.

Intern | National Oilwell Varco | March 2020

- Cultivated experience and skills concerning the oil drilling industry's implementation of embedded systems and advanced machinery.
- Collaborated with small team to design and optimize drilling machinery parts using CAD, concluding in presentation of designs.

Tutor | Kumon North America | August 2017 – August 2019

- Tutored grade-school children in mathematics and critical thinking concepts.
- Worked closely with tutoring team to consolidate various tasks and facilitate organization of students.

ACADEMIC EXPERIENCE

Vaccine Bot

- Designed an automated bot to scan and reserve vaccination appointments across multiple sites, culminating in a smooth booking process for many users.
- Software built using JAVA Selenium Library.

Fantasy-Focus Mobile Application

- Developed front-end for a fantasy football assistant mobile application.
- Mobile front-end was designed using React Native. Web front-end designed using JavaScript, CSS, and HTML.
- Communicated and collaborated closely with partner to integrate with back-end.

Space Invaders Video Game

- Spearheaded design and development of hardware and software components for Space Invaders Video Game.
- Process resulted in a proficient embedded system powered by a TM4C microcontroller, several hardware components (DAC, buttons, LCD) and C/Assembly Language code.

SKILLS

- Proficient in JAVA, C/C++, ARM Assembly, Python, HTML/CSS/JavaScript, React, MATLAB, Arduino, MySQL, Linux/Unix, Git, Autodesk Inventor(CAD), Microsoft Office.
- Excellent communication skills, time-management & extensive experience working in a agile team environment.