

Rohit Barichello

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OBJECTIVE

Seeking a summer 2020 internship in Software Engineering or Information Technology

EDUCATION

Texas A&M University, College Station, Texas

May 2022

Bachelor of Science in Computer Engineering, Minor in Mathematics

GPA: 3.32

Coursework: Data Structures and Algorithms, Discrete Structures for Computing, Digital System Design

RELEVANT EXPERIENCE

SpaceCRAFT, Texas A&M University

Research Assistant

Sept 2019 – Present

- Leveraged programming knowledge as part of a research project to develop a virtual reality space mission simulation to train astronauts
- Improved realism of images rendered in the system by emulating a CMOS camera sensor in python
- Collaborated with a 10-member team to research and implement new methods of reducing noise in artificial images
- Guided direction of future projects by presenting research results weekly to a 50-member development team and professor

PROJECTS

UAccess, TAMUHack

Jan 2020

- Created a web app that allows users to search for establishments that are disability accessible
- Implemented and connected a searchable MongoDB database to main app
- Gained experience with backend development in Express.js and Node.js

AggieTables, HowdyHack

Sept 2019

- Developed a web-based Python program to display open tables at university dining halls
- Collaborated with a 4-person team to find efficient solutions to problems facing the university
- Expanded technical skill set by gaining facility in use of TI-Launchpad and Flask

ACTIVITIES

Student Engineers' Council, Texas A&M University

Systems Administration Committee

Sept 2019 – Present

- Streamlined outreach of SEC through creation and maintenance of websites and user systems
- Increased understanding of web applications while assisting in the development of a finance portal for SEC
- Led an engineering competition for elementary school students at EnVision Conference
- Engaged the community and student body with engineering through educational and professional events
- Selected through application and interview with SEC executive board from a pool of 40 applicants

TECHNICAL SKILLS

Python	HTML	JavaScript
C++	CSS	
Java	Git	