

Zaal Buhariwalla

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Education

Texas A&M University

College Station, TX

Bachelor of Science in Computer Science (Honors)

May 2022

GPA – 3.57

Skills

Python	Linux / Bash	Microsoft Azure
C++	SQL	Web Scraping
Java	Git Version Control	Embedded Devices

Experience

Hobart Food Equipment Group (On Site)

Troy, OH

Software Engineering Intern

June 2020 – August 2020

- Developed features for food scales and wrappers in C++/Qt on Embedded Linux
- Worked as part of an Agile software development team, utilizing Jira for tasking
- Wrote automated tests in Python, interfacing with application's GUI and backend SQLite database
- Reduced test execution time by over 50% and man-hours spent testing by 75%
- Built a UI and an underlying Python API to allow non-technical employees to execute tests

Texas A&M College of Engineering

College Station, TX

Peer Teacher – Engineering Lab

August 2019 – May 2020

- Assisted in teaching Python and programming skills to sections of 96 freshman engineering students
- Mentored students through in-class work, held office hours, and graded assignments

The Coder School

Flower Mound, TX

Code Coach

May 2019 – August 2019

- Taught children ages 6 – 13 how to program in Python and Scratch
- Designed coding curriculum and oversaw programming camps for 60 students

WorldLink

Frisco, TX

Intern – Blockchain Researcher

July 2016 – August 2017

- Led experiment to mine cryptocurrency on custom servers
- Sourced hardware from multiple suppliers, wrote Linux scripts, and managed the machines for 6 months
- Researched and delivered reports on 6 companies in AR, VR, Robotics, and Blockchain

Projects

AggieNova SWIFT Telescope Research Team

January 2019 – May 2019

- Wrote Python programs to automate downloads of supernova events from the SWIFT orbiting telescope
- Utilized web scraping and the Python Data Analysis Library (pandas) to identify target events
- Cut time head researchers spent aggregating celestial events by more than 50%

Aggie Class Openings Notifier

November 2018 – May 2019

- Developed application to notify A&M students of course openings through scraped data
- Implemented user sign-up, ability to specify courses, and notifications through a Telegram Messenger Bot
- Transferred application from a local Raspberry Pi to an Azure VM