

Zohair ul Hasan

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EDUCATION

DREXEL UNIVERSITY

B.S. IN COMPUTER SCIENCE

Expected Graduation 2024 |

Philadelphia, PA

GPA: 3.82

TECHNICAL SKILLS

PROGRAMMING LANGUAGES & LIBRARIES

Python3, Node.js & ES6, React, FastAPI, Ruby, Go

OTHER

Docker, Kubernetes, Terraform, Jenkins, PostgreSQL, MongoDB, Git

PROJECTS

MARKETSIM

(January 2022 - March 2022)

gitlab.com/Zohair-coder/market-sim

Lead a team of 5 to create a stock market simulator to invest with virtual currency using React.js, Node.js, PostgreSQL and web sockets to get real time stock data

WHAT'S IN YOUR FRIDGE?

(September 2021 - March 2022)

gitlab.cci.drexel.edu/ci102-3team1/whats_in_your_fridge

Lead a team of 5 to create a React webapp to help users find recipes based on ingredients they have in their fridge

DREXEL COURSE NOTIFIER

(September 2020 - October 2020)

github.com/Zohair-coder/Drexel-Course-Availability-Notifier

Built a web-scraper in Python3 that notifies students via email when their selected course has available seats, impacting over 132 students at Drexel University

SAP HACKATHON

(July 2022)

Participated in a Hackathon and worked primarily on the backend, using Node.js and MongoDB

RELEVANT EXPERIENCE

SAP AMERICA

SOFTWARE ENGINEERING INTERN - ARTIFICIAL INTELLIGENCE

April 2022 - Current | Philadelphia, PA

- Contributed to an open-source ML platform (ML Lab github.com/SAP/machine-learning-lab) that acts as a centralized hub for development teams to seamlessly build, deploy, and operate ML solutions at scale
- Integrated another open-source solution, ML Flow, for logging and tracking parameters, metrics and artifacts for each run into ML Lab
- Wrote plugin in Python3 for ML Flow to seamlessly work with ML Lab's JSON and file storage
- Wrote backend and front-end code in Python3 using FastAPI library and React.js respectively to integrate ML Flow into ML Lab

SAP AMERICA

SOFTWARE ENGINEER - PRODUCTION MANAGEMENT PORTALS

April 2021 - March 2022 | Philadelphia, PA

- Interned as a full stack developer to develop and deploy a webapp, and an accompanying Terraform Provider written in Go to report virtual machines in use to SAP's internal auditing system
- Developed a front end in vanilla JavaScript and a backend in Node.js
- Learned and deployed apps using Docker and Kubernetes to improve reliability and scalability of the webapp
- Created Jenkins pipelines to automate the testing and deployment of the webapp and Terraform Provider by automatically pushing newly built webapp images to a registry and uploading the Terraform Provider executable to an Openstack objectstore
- Created a private Terraform registry to allow for easy Provider installation
- Wrote tests for the webapp and Terraform Provider to ensure quality/reliability
- Wrote scripts in Ruby to process big data
- Wrote Terraform modules to improve productivity for employees

DREXEL COLLEGE OF COMPUTING AND INFORMATICS

TEACHER ASSISTANT

April 2021 - Current | Philadelphia, PA

- Created and sold a program designed to improve grading efficiency by a factor of 20 for \$500
- Helped students understand complex concepts in Computer Science and cleared confusions by attending regular office hours
- Graded student homework

DREXEL VERTICALLY INTEGRATED PROJECTS

SOFTWARE ENGINEER

April 2020 - June 2021 | Philadelphia, PA

- Led a team of 2 to program a Raspberry Pi in Bash using FFMPEG (command line program used to process video and audio) for recording video, compressing it, and uploading live stream to YouTube

DREXEL UNIVERSITY

INTRAMURAL SPORTS OFFICIAL

Jan 2020 - March 2020 | Philadelphia, PA

- Reffed 30+ basketball and soccer games