

Zohair ul Hasan

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EDUCATION

DREXEL UNIVERSITY

B.S. IN COMPUTER SCIENCE

Expected Graduation 2024 |

Philadelphia, PA

GPA: 3.85

Honors:

- Drexel AJ Scholarship (\$42,000/yr)
- Dean's List in all quarters

TECHNICAL SKILLS

PROGRAMMING LANGUAGES & LIBRARIES

Python3, Node.js and ES6, React, Ruby, Go, C, Java

OTHER

Docker, Kubernetes, Terraform, Jenkins, MongoDB, Git

OTHER EXPERIENCE

Drexel Vertically Integrated Projects

- 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
- Learned Bash Scripting and FFMPEG in 1 week to complete the task

Head of IT at school event

- Managed 5 person team to design, print and distribute ID cards for over 150 participants and organizers in school Olympiad
- Collected information and created database
- Created posters for publicity on social media and banners for stalls

Intramural Sports Official at Drexel University

- Officiated 30+ basketball & soccer games
- Communicated with heated players to ensure safety for everyone

RELEVANT EXPERIENCE

SAP AMERICA

SOFTWARE ENGINEER

Spring 2021 - Current | Philadelphia, PA

- Worked 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 Docker and Kubernetes and created deployments 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
- Implemented authentication using OIDC protocol to authenticate with Keycloak
- Created a private Terraform registry to allow for easy Provider installation
- Wrote tests for the webapp and Terraform Provider to ensure quality and reliability
- Created visualizations in Kibana using the Elasticsearch stack to analyze Dynatrace billing data
- Parsed Dynatrace billing data in the form of a large JSON file in Ruby to make it useable for Kibana
- Wrote Terraform modules to improve productivity for employees
- Learned to work in an international team over Zoom meetings

DREXEL COLLEGE OF COMPUTING AND INFORMATICS

TEACHER ASSISTANT

Winter 2020 - Summer 2021 | 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

TECHNICAL PROJECTS

WHAT'S IN YOUR FRIDGE? | GITLAB

Fall 2021 | Philadelphia, PA

- Lead a team of 5 to create a React webapp to help users find recipes based on ingredients they have in their fridge
- Utilized Google's Material-UI library to create a clean and intuitive user interface

DREXEL COURSE AVAILABILITY NOTIFIER | GITHUB

Fall 2020 | Philadelphia, PA

- Built a web-scraper in Python3 that notifies students via email when their selected course has available seats
- Impacted over 132 students at Drexel University who used this program to help them sign up for their courses easily
- Utilized the requests and BeautifulSoup libraries to manipulate HTML data and extract useful information