

# ZOHAIR UL HASAN

www.zohair.dev

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## EDUCATION

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### Drexel University

*Bachelor of Science in Computer Science - GPA 3.86*

Philadelphia, PA

*Sep. 2019 – June 2024*

## EXPERIENCE

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### Susquehanna International Group

*Software Engineering Coop - Corporate Systems*

March 2023 – Sep. 2023

*Philadelphia, PA*

### SAP America

*Software Engineering Coop - Artificial Intelligence*

March 2021 – March 2023

*Philadelphia, PA*

- Contributed to an open-source ML platform (ML Lab [github.com/SAP/machine-learning-lab](https://github.com/SAP/machine-learning-lab)) that acts as a centralized hub for development teams to seamlessly develop, build, deploy, & operate ML solutions at scale
- Integrated an open-source solution, ML Flow, into ML Lab for tracking parameters, metrics & artifacts for each run using Python, FastAPI & React
- Created custom plugin in Python for ML Flow to seamlessly work with ML Lab's JSON and file storage
- Developed a Job Scheduler component that ran user specified jobs on a repeated schedule by parsing a cron string

*Software Engineering Coop - Production Management Portals*

- Developed and deployed a webapp, and an accompanying Terraform Provider written in Go to report virtual machines in use to SAP's internal auditing system
- Built a front end in vanilla JavaScript and a backend in Node.js
- 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
- Created a private Terraform registry to allow for easy Terraform Provider installation
- 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

## PROJECTS

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**Drexel Scheduler** | [scheduler.zohair.dev](https://scheduler.zohair.dev) | GitHub

Feb 2023 – Present

## TECHNICAL SKILLS

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**Languages:** Python, C#, JavaScript, SQL

**Frameworks:** .NET, Express.js, FastAPI, React

**Developer Tools:** Docker, Kubernetes, Terraform, GitLab CI/CD, Git