

# Zohair ul Hasan

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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 Engineer - Coop*

March 2023 – Sep. 2023

*Philadelphia, PA*

- Developed a REST API using FastAPI and PostgreSQL to store data from learning management systems
- Developed a full-stack web application using Flask, React, PostgreSQL and Docker to analyze GitHub data
- Explored ways to visualize GitHub collaboration in a classroom setting

### SAP America

*Software Engineer - Coop*

March 2022 – March 2023

*Philadelphia, PA*

- Communicate with managers to set up campus computers used on campus
- Assess and troubleshoot computer problems brought by students, faculty and staff
- Maintain upkeep of computers, classroom equipment, and 200 printers across campus

### SAP America

*Software Engineer - Coop*

March 2021 – March 2022

*Philadelphia, PA*

- Explored methods to generate video game dungeons based off of *The Legend of Zelda*
- Developed a game in Java to test the generated dungeons
- Contributed 50K+ lines of code to an established codebase via Git
- Conducted a human subject study to determine which video game dungeon generation technique is enjoyable
- Wrote an 8-page paper and gave multiple presentations on-campus
- Presented virtually to the World Conference on Computational Intelligence

## PROJECTS

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### Drexel Scheduler | scheduler.zohair.dev | GitHub

Feb 2023 – Present

- Developed a full-stack web application using with Flask serving a REST API with React as the frontend
- Implemented GitHub OAuth to get data from user's repositories
- Visualized GitHub data to show collaboration
- Used Celery and Redis for asynchronous tasks

## TECHNICAL SKILLS

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**Languages:** Java, Python, C/C++, SQL (Postgres), JavaScript, HTML/CSS, R

**Frameworks:** React, Node.js, Flask, JUnit, WordPress, Material-UI, FastAPI

**Developer Tools:** Git, Docker, TravisCI, Google Cloud Platform, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse

**Libraries:** pandas, NumPy, Matplotlib