

SM Mashuque

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EDUCATION

Cornell University, B.S.	05/2020
<ul style="list-style-type: none">- Cumulative GPA: 3.43- Major in Information Science. Minor in Computer Science.- Relevant courses taken include OO Programming in Python, Data Science in Python, Data Structures in Java, Backend Web Development in PHP, Database Systems, and Systems Organization and Programming in C/C++.- Deans List: Spring 2018, Spring 2019	

EXPERIENCE

Software Engineer <i>HP Inc. (Houston, TX)</i>	02/2021 - Present
<ul style="list-style-type: none">- Created and maintained REST APIs using Java Spring framework, MySQL, Elasticsearch, and other AWS technologies such as S3.	
Software Engineer <i>PROS (Houston, TX)</i>	06/2020 - 02/2021
<ul style="list-style-type: none">- Created and maintained REST APIs using Java Dropwizard framework and SQL Server.- Implemented data security features, which isolated data between tenant groups.- Wrote end to end tests to verify REST endpoint behaviors using the Cucumber framework.- Implemented asynchronous and synchronous tasks using Java Functional interfaces for a workflow pipeline. The tasks performed actions such as generating configuration parameters, registering dataset schemas, cleaning up tables, and copying Parquet data from Azure Data Factory to SQL server database.	
Software Engineer Intern <i>UBS (Weehawken, NJ)</i>	06/2019 - 08/2019
<ul style="list-style-type: none">- Created a micro-service using Flask, PostgreSQL, and AutoSys to monitor a Data Warehouse Infrastructure created with Airflow DAGs.	
Teaching Assistant in INFO/CS 2300: Backend Web Design <i>Cornell University (Ithaca, NY)</i>	08/2018 - 12/2018
<ul style="list-style-type: none">- Helped students with questions relating to server side data processing and creating dynamic pages using HTML, PHP, and SQLite.- Met with professor weekly and helped grade assignments.	
Software Engineer Intern <i>SinglePlatform (New York, NY)</i>	06/2018 - 08/2018

- Django MVC: Updated existing models, views, templates, and wrote unit tests.
- Created an API endpoint with pagination using Django REST framework.
- Created asynchronous tasks to update data, and send emails using Celery and SendGrid.
- Applied view restrictions with Python decorators.
- Created a GUI app in Python for internal use to automate schedule creation process using Google Calendar API

Python Tutor <i>Cornell University (Ithaca, NY)</i>	08/2017 - 05/2018
<ul style="list-style-type: none">- Met with CS 1110 course students weekly and provided assistance with Python questions relating to homework, assignments, and exams.	

PROJECTS

Takk - A Fundraising Platform for Higher Education.	02/2019 - 05/2019
<ul style="list-style-type: none">- Served as the lead developer. Designed and implemented an MVP with the Django Framework.- Integrated Twilio and Stripe API with the Django application to enable phone calling and payment processing.- Oversaw all aspects of the project and managed iterative improvements of the MVP.	
Emulated RISC-V CPU	03/2019 - 04/2019
<ul style="list-style-type: none">- Created a five stage pipelined CPU in Logisim.- Adheres to the RISC-V ISA specifications.	
Live Nasdaq Data	10/2018 - 11/2018
<ul style="list-style-type: none">- Built a small web app to show live stock data.- Integrated the app with IEX API for displaying latest stock price information.- Built a React frontend with Django REST backend.	

SKILLS

Programming Languages	
Python	■■■■■■■■■
Java	■■■■■■■■■
C	■■■■■
C++	■■■■■
JavaScript	■■■■■■■
PHP	■■■■■
Databases	
PostgreSQL, SQL Server, MySQL	■■■■■
Redis	■■■
Frameworks	
Django	■■■■■
Dropwizard	■■■
Spring	■■■