

Matthew Shvorin

347-925-3059 | mshvorin@gmail.com | github.com/mshvorin | linkedin.com/in/mshvorin

EDUCATION

Hunter College

Bachelor of Arts, Computer Science. GPA: 3.5

New York, NY

Expected December 2024

Relevant Skills

Python (Pandas, Numpy, Tkinter), C++ / C#, HTML, CSS, JavaScript, Git, Ubuntu Linux, .Net, MySQL, CI/CD, Postgres

Additional Credentials and Certifications

- *Google/Coursera*: Automation with Python
- *Harvard University/Edx* : CS50's Web Programming with Python and JavaScript
- *Honors*: National Honors Society, Daedalus Computer Science Honors Scholar, MAA AMC 12 (American Mathematics Competitions) - 2nd Place
- *Extracurriculars* : Math Team Captain, Football Team, Semi-Professional Overwatch Player

EXPERIENCE

SDM Financial

Remote

Derivatives Software Engineering Intern

Jun 2023 - Current

- Built an ETL pipeline by deploying python scripts onto periodic cron jobs running in AWS EC2 instances to provide our derivatives traders with quick and up to date information.
- Explored data from the Fireblocks, Amber, Haruko, and Deribit APIs using Postman and incorporated the REST queries into the pipeline.
- Manipulated, filtered, and transformed data using the Pandas library and used Black-Scholes and other algorithms to perform statistical and time series analyses.
- Pushed data into Postgres tables using the pyodbc library and into Google Sheets through the Google Sheets API to create graphs to visualize our data.

J.P. Morgan Chase

New York, NY

Software Engineer Intern - Credit Technology Team

Jan 2023 - Feb 2023

- Created Python scripts for the Credit Technology team to analyze JPMC's quote request data, assist in troubleshooting procedures, and optimize operational processes.
- Automated email generation procedures to optimize performance evaluation and reporting.
- Utilized Pandas to parse/organize data to allow for seamless assessment of the success of software in testing and troubleshooting.
- Merged and pushed code to production through code reviews and pull requests and deployed these changes using a CI/CD pipeline to ensure correctness and proper integration through automated testing in various environments.

Great Northern Mortgage

New York, NY

IT Consultant

June 2017 - Current

- Managed the technology and software/data stored in work-related devices and served as the initial support contact for technology and video conferencing systems.

IT Services LLC

New York, NY

Software Engineer Intern

Feb 2023 - Jul 2023

- Developed a user-friendly web page utilizing JavaScript & HTML to enable seamless user account swapping through cookies.

PROJECTS

Prescription Manager REST API

- Created a .NET application to handle API requests to get, post, and delete prescription information to track dosages and expirations in a MySQL database

Python Web-Scraper / Text editor with GUI

- A Tkinter application allowing users to "scrape" all text / HTML from a link and put it into a text file.
- Users can save, open and delete notes (.txt files), as well as select from different fonts and font sizes while editing.

Mock Google Webpage

- An HTML/CSS website with options for regular, advanced, or image Google searches. Reroutes requests through Google as if searched through their engine.