ABDULAH AMER

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EDUCATION

City College of New York
September 2015 – May 2020

BS Physics
New York, NY

- GPA: Graduated Cum Laude

EXPERIENCE

Flextrade Systems Inc.
October 2021 – Present

Senior Software Engineer in Testing
Great Neck, NY

- Designed an automated regression testing framework across multiple Flextrade platforms used by team members globally, while adhering to the standards of security traders.
- Worked along side clients to deliver app modules for specific features in Equity order. Implementing Mongo DB and internal API integration.
- Develop Python and Bash scripts to save company time on various tasks related to updating DB and feature configurations.
- Created easy to use, lightweight, and fast testing tools to increase productivity for non-technical team members in their daily tasks.

GMSAC
July 2021 – October 2021

Associate web developer
New York, NY

- Took leadership of project to develop website using Django and Flask.
- Implemented Stipe's REST API to create payment integrations.
- Develop and maintain APIs in Python using Django.
- Create responsive React-based web applications.

SKILLS

- Python: Flask, Django, Numpy, Pandas, Seaborn, MongoDB, REST APIs, Scikit-learn, Qiskit, Selenium
- Other: C#„ JavaScript, C++, MATLAB, FLAUI automation, .NET framework, Git, Docker, Bash/shell scripting, Linux Ubuntu, JIRA

PROJECTS

Quantum Phase Estimation Calculator Python, Qiskit, Seaborn
https://github.com/AbdulahAmer/Quantum-Phase-Estimation-with-Qiskit-
Created software that implements the Quantum Phase Estimation algorithm on a users arbitrary quantum circuit. Results are visualized for pattern finding in periodicity in quantum waveforms.

Comprehensive Quantum Computing coding course Python, Qiskit, Latex
https://github.com/AbdulahAmer/PHYS-31415-Summer-2021
Created a detailed, stand alone coding course for students to follow. Filled with completed examples, Homework problems, and projects to test understanding. Used by 100s of students at City College of New York and created a new standard for Quantum Computing education in NYC.