BEKA MODEBADZE

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bexxmodd.com   linkedin.com/in/bmodebadze   github.com/bexxmodd

Education

Master's in Computer Science (MCIT)   Expected in 05/2022

University of Pennsylvania - Philadelphia, PA

Core Courses: Data Structures, Algorithms & Software Design; Computer Systems; Discrete math, Graph Theory, & Probability.

Currently with 4.0/4.0 GPA

Bachelor's in Economics, Business   05/2020

University of Maryland - College Park - College Park, MD

Graduated with 3.9/4.0 GPA

Work History

Software Engineer Intern

Maestro Technologies – Trenton, NJ   06/2021 to Current

- Worked on microservices' back-end using Python-Flask, C# ASP.NET, and MSSQL for database solution.
- Wrote unit tests using Python's unittest and Visual Studio's TestTools libraries.
- Created scripts to automate data cleaning and stored procedures execution on a given time.

Data Analyst II   06/2020 to Current

Qlarant – Easton, MD

- Developed a Python program to automate the calculation of over-payments which saves weekly six hours of manual labor.
- Used Benford's Law, implemented via Python & SQL, to single out anomalous billing patterns by ambulance service providers.
- Engineered data pipeline for inpatient medicaid data, using SQL Teradata, SAS EG, and Python.

Teaching Assistant   08/2019 to 12/2019

University Of Maryland – College Park, MD

- Performed academic tutoring in Global Economic Policies for 120 students.
- Conducted in-class exam reviews, which yielded one of the highest average scores in the class.

International Working Experience in Two Countries   01/2014 to 08/2016

Personal Projects

- **vizex** – Linux terminal program to personalize and visualize partitions, directories, and files data.
- **bexxmodd.com** – Built a personal webpage with Python Django & PostgreSQL. Deployed on heroku.
- **paleatra** – Image processing app built with Rust. Program creates and appends palette of most frequently used colors to the copy of the supplied image.
- **twitter bots** – Bots developed in Python and deployed on AWS EC2 via Docker image.
- **Diet Macros Calculator** - GUI App built with Python and Qt.

Skills

- *Languages*: Python, Java, Rust, C, C#, C++
- *Frameworks*: Flask, Django, .NET, Rocket.rs
- *Database*: MySQL, PostgreSQL, MSSQL, SQLite
- *Misc*: Git, Docker
- *OS*: Linux, Windows
- *Web (basics)*: HTML, CSS