Mehdi Bouzekri, Jr

mehdi.bouzekri.jr@gmail.com | (404) 528-8559 | linkedin.com/in/mehdi-bouzekri-jr | github.com/mbouzekri | U.S Citizen

Education

Georgia Institute of Technology | *Atlanta, GA*   **August 2021 — May 2024**

Bachelor of Science in Computer Science, GPA: 3.78   *Dean's List*

Relevant Coursework: Data Structures & Algorithms, Intro to Artificial Intelligence, Perception & Robotics, Design & Analysis of Algorithms, Systems and Networks, Computer Organization & Programming, Machine Learning for Trading, Linear Algebra, Applied Combinatorics, Statistics & Applications, Computer Graphics, Object Oriented Programming.

Experience

ARCS Georgia Institute of Technology   **May 2022 — Present**

IT Support Student Worker   *Atlanta, GA*

- Diagnosed and resolved hardware, software, and network issues for 100+ employees, ensuring minimal downtime.
- Trained and mentored 3+ IT support students on policies and procedures, ticketing systems, and conflict management.
- Updated and resolved software issues for 10+ websites across the College of Sciences using HTML, CSS, and JavaScript.
- Utilized Microsoft Deployment Tool to automate the installation of Windows operating systems in multiple workstations.

MRI Software LLC   **May 2023 — August 2023**

Software Engineer Intern   *Atlanta, GA*

- Implemented 20+ client-requested enhancements to deployed Investment Management products using SQL, and C++.
- Designed flowcharts that assisted in improving internal procedures and increased operational efficiency by 25%.
- Automated the creation of statements of work and project change requests, resulting in a 65% reduction in manual effort.
- Collaborated with 5+ team members to identify future enhancements, test features, and create documentation for processes.

EI2 Georgia Institute of Technology   **June 2021— August 2021**

Software Engineer Intern   *Atlanta, GA*

- Engineered a revenue optimization tool employed for efficient management of leases across 170+ office spaces.
- Developed an Excel-based system for tenant data entry and reporting, facilitating real-time analysis and forecasting.
- Implemented forecasting tools for future occupancy and rental rates, enabling scenario planning for 5+ suite types.

Projects

High Frequency Trading Algorithm | *Python, Alpaca Trading API*

- Created and optimized a HFT Algorithm for high-volume stocks, integrating technical indicators for enhanced performance.
- Achieved real-time trade monitoring using Alpaca Trading API, successfully capturing $0.02 bid/ask spread movements.

LSTM RNN Stock Forecast | *Python, Keras, Scikit-Learn*

- Devised an LSTM-based Stock Price Forecasting model, achieving an accuracy of 98% on short-term predictions.
- Trained the model over 200 epochs with 5+ years of data, demonstrating expertise in data preparation and model training.

Housing Price Predictive Model with Assurant Inc | *C++, SQL, React*

- Engineered an intuitive GUI with React enabling users to select from 10+ parameters for precise pricing prediction.
- Tested 3+ machine learning models to predict housing prices, allowing users to make more informed real estate decisions.

Game Suite (Checkers/Wordle/Numbers) | *Java, JavaFX, CSS*

- Deployed a user-friendly graphical interface for 3 games, enhancing the gaming experience with captivating visuals.
- Developed a Java-based backend solution following Agile Development methodologies for efficient project management.

Skills & Interests

Programming Languages: Java, Python, C, C++, C#, SQL, MATLAB, Assembly, JavaScript.

Technologies: Git, GitHub, Docker, AWS, Linux, MS Office, HTML, CSS, React, Jira, Agile, Vim, .NET.

Organizations: GT Swimming Club, GT Chess Club, GT Robotics, GT Trading Club.

Languages: English, Arabic, French.