

Ali Fares

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EDUCATION

Bachelor of Science, Computer Science; Minor, Economics

University at Buffalo, The State University of New York, May 2022

- Relevant Courses: Introduction to Computer Science 1, Introduction to Computer Science 2, Systems Programming, Computer Organization, Introduction to Artificial Intelligence, Discrete Structures, Data Structures, Algorithms and Complexity

TECHNICAL SKILLS

- Experienced in Python, Javascript, Scala, MySQL, C, Django, React, Node.js, CSS, Web Sockets, and HTML, Pandas, NumPy.
- Solution-oriented and a problem solver, with a high level of attention to detail and follow-through.
- Self-motivated with the ability to work both independently and collaboratively.
- Experience with object-oriented design, algorithm design, data structures, and complexity analysis.
- Ability to prioritize and juggle numerous projects and deadlines.

TECHNICAL PROJECTS

Raul Avila Inc. E-Commerce Website, New York, New York

- Using Python's Django framework created a backend which included a user authentication system, inventory management and payment processor through Stripe's API.
- Effectively communicated with the client and team members to deliver the product and meet deadlines.
- Using HTML and CSS created a dynamic frontend to allow employees to make changes to website.

Stock Market Portfolio, New York, New York

- Using Python and Pandas I was able to pull and process data from a real time stock market API.
- Using MySQL I was able to store purchases, sells and profits into database.
- Made use of Artificial Intelligence algorithms to pick stocks based on previous stock performance.

Trie Dictionary, New York, New York

- Created a user dictionary in Scala using a trie graph data structure where a user can analyze words and associate each word with a value or information.
- Using the breadth-first search algorithm, was able to achieve $O(\log(n))$ runtime when finding words and their values.
- Was able to parse thorough text and analyze each word.

EasyOrder UBHacking 2020, Buffalo NY

- Using Python's Django framework created a mobile ordering system that limits face to face contact in a restaurant setting..
- Saved user's orders and payment information into a database for future use and to create recommendations to users.
- Created entire web app in 24 hour period while communication with teammates through zoom.