Yusef Tohamy
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GitHub https://github.com/Sef-s | LinkedIn https://www.linkedin.com/in/yuseftohamy/

EDUCATION

Temple University Philadelphia, PA
Bachelor of Science, Computer Science — August 2021 - May 2025
GPA: 3.02

WORK EXPERIENCE

Lead Emporium LLC Philadelphia, PA — June 2022 – December 2023
Co-founder

- Leverage Python to create a bot using the Selenium library in Visual Studio that automatically scrapes and populates customer order data into a compiled .csv file that integrates with the label creation platform to print hundreds of shipping labels.
- Conduct the analysis of over 1 million Amazon product listings using SellerAmp to assess sales, profit revenue, competition, and other key business indicators. Resulting in an inventory of highly profitable products that generated over $80,000 in revenue per month.
- Communicate with 10+ suppliers to negotiate wholesale purchases of up to $20,000.
- Develop a bot using Python's BeautifulSoup library in Visual Studio that tracks data on product listing in the SellerAmp platform. The bot automatically notifies company owners of fluctuations in stock and pricing, allowing for quick identification of highly profitable products.

PROJECTS

Knight's Tour | Developer **2023**

- Utilized Java within Visual Studio Code to implement and test the Knight's Tour algorithm, demonstrating proficiency in coding and software development.
- Debugged and refined the codebase, showcasing attention to detail and a commitment to producing high-quality solutions.
- Applied problem-solving skills to address challenges related to pathfinding and traversal in a chessboard environment.
- Communicated the solution effectively, providing insights into the decision-making process and algorithmic choices made during implementation.

Disaster Planning | Developer **2023**

- Used Visual Studio Code to develop a Java program to address the Disaster Planning problem, demonstrating strong algorithmic problem-solving skills.
- Implemented a recursive backtracking algorithm to allocate emergency supplies in a region, considering constraints such as the road network and a specified maximum number of stockpile locations.
- Implemented efficient data parsing techniques to extract city information from the input file, showcasing attention to detail in handling various data formats.
- Incorporated user interaction by prompting for the input file name and the maximum number of cities for stockpiles, enhancing the program's usability.

Doctor Patient Scheduler | Developer **2023**

- Designed and implemented a robust scheduling algorithm in Java using Visual Studio code to efficiently pair doctors with patients in a healthcare setting.
- Utilized Java data structures, including HashMaps and HashSets, to manage and organize doctor and patient information effectively.
- Developed and implemented test cases to cover different edge cases, enhancing the reliability and robustness of the solution.
- Implemented functions such as putting entries into the schedule after a successful recursive call, contributing to the overall maintainability and readability of the codebase.

SKILLS

Technical skills: Python, MySQL, HTML, Java, C, Git, Word, Visual Studio, SellerAMP, Keepa, Excel
Languages: Arabic (Limited proficiency), English (Native)

RELEVANT COURSEWORK

Introduction to Problem Solving and Programming in Python, Computer Systems and Low-Level-Programming, Programming Data Structures, Program Design and Abstraction, Responsive Web Design, JavaScript Algorithms, Operating Systems, Computational Probability and Statistics, Discrete Mathematics, Mathematics in Computing II