Arvind Majumder

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EDUCATION

Queens College (CUNY)   May 2025 (Expected)
B.S. Computer Science
Relevant Coursework: Data Structures, Algorithms, OOP in C++/Java, Database Systems, Software Engineering

Headstarter AI   **June 2024 – August 2024**
Software Engineering Fellow
• Build 5 AI projects in 5 weeks
• Final project: get 1000 people on waitlist, accounted created, or in $1000 in revenue

SKILLS

Programming Languages: C++, Java, Python, MySQL, HTML, CSS, Lua, Assembly Language, Arduino
Tools & Framworks: Git, VSCode, IntelliJ, Eclipse, PyCharm, Pandas, Javax, matplotlib, PyQt5
Operating Systems: Windows, MacOS, Ubuntu

EXPERIENCE

Department of Homeland Security: US Citizenship and Immigration Services   **June 2024 – August 2024**
Student Trainee
• Research pertinent information from existing sources including hard copy or electronic files, instructions, and standard operating procedures.
• Assure data in information systems for assigned work is complete, current and accurate.
• Review documents for pertinent data related to a specific program or project and assists in distributing information within the office.

CUNY Building Performance Lab via CUNY Spring Forward   **March 2024 – April 2024**
Energy Engineering Research Intern
• Developed an interactive interface to optimize extraction of Air Handling Units (AHU) system data provide visualization.
• Generated plot graphs of cooling and heating data using python scripts.
• Collaborated with other interns to develop python data extraction algorithms from .xlsx files.
• Organized AHU system data visualization development path, providing foresight to accomplish project goals for supervisors.

Gen.G Esports (KSV Esports)   **September 2022 – November 2022**
VALORANT Coach
• Created high-level strategies designed to foster a competitive edge in practice sessions and matches.
• Organized competitive and data analysis on opposing teams and players.
• Conducted weekly coaching sessions with players, providing guidance and tactics individually.
• Team ranked Top 5 North America and won $3000 during my contract period.

New York Hall of Museum   **January 2019 – December 2019**
Associate Producer & Video Editor
• Produced and recorded educational videos surrounding S.T.E.M. topics, highlighting the museum's educational identity.
• Developed content aligned with the museum's latest science attractions, promoting the educational ecosystem.
• Assisted with growth of museum's YouTube channel through video editing several uploaded pieces of content.

Crown Trophy   **June 2019 – August 2019**
Trophy Builder & Assembler
• Built and designed custom trophies according to customers' specifications.
• Created mock-up business card designs for the store to offer to clients and other local businesses.
• Assembled and disassembled pre-made trophies from inventory for product presentation.

PROJECTS

Interactive Excel File Reader - https://github.com/Prainex/Interactive-Excel-File-Reader (CUNY BPL)   6th Semester, 2024
- Developed an interactive data analysis tool for the CUNY Building Performance Lab.
- Implemented features for navigating and filtering Excel data using PyQt5.
- Utilized Python libraries such as pandas and matplot to parse data and display.
- Collaborated with team members to implement functionalities catered to the supervisor's requests for analysis.

Roman Numeral Converter - https://github.com/Prainex/RomanNumeralConverter   4th Semester, 2023
- Developed an object-oriented Java application capable of converting Roman numerals into Arabic numbers.
- Designed graphical user interface allowing users to input text files or enter Roman numerals manually.
- Programmed error-handling cases responding to invalid text files or inputted Roman numerals for reliability.

CERTIFICATIONS

• JPMorgan Chase & Co. – Software Engineering Lite Job Simulation