

Jiayue Ma

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SUMMARY

Five years Administration experience; talent in math; working on the Master's degree in Computer Science.

Research Interests: Artificial Intelligence; Scientific Computing in Coding

Previously, I held a top-secret clearance, which has since expired; however, I am confident in my eligibility for its renewal.

EDUCATION

St John's University, Collins College of Professional Studies

New York, NY

M.S. in Computer Science

Sep 2022 - May 2024

Pace University, Seidenberg School of Computer Science and Information Systems

New York, NY

BS in Computer Science | Minor in Mathematics

Sep 2019 - May 2022

RELEVANT COURSEWORK

All Computer Science Courses BS Level | Calculus I, II & III | Intro to Probability & Statistics Analysis | Differential Equations | Data Mining and predict | Database management | Applied Analytics Project | Big Data Analytics | Cyber & Hack | Web Data Mining | Distributed Operating system | Computer Vision

Project

Campus Store Inventory System

A simple tool to help staff manage the store activities, including the basic business functions, Coding in Java. Clouds Database supported by "PlanetScale.com"

Resume Assessment Tool

A software designed to assist HRs in quickly processing a vast number of job applications. It is capable of automatically evaluating an applicant's experience, abilities, and skills. It filters out candidates who match the requirements of open positions and suggests suitable roles for them. The tool can read PDF and Word documents, and it can also mine resume data from websites with weak security. Tools: Python, GPT Api 3.5

Facial Recognition and Tracking System

Engineered a deep learning-based facial recognition system using Python, PyTorch, and OpenCV to identify individuals in videos. Leveraged MobileNet v2 for real-time facial feature extraction, achieving high performance under varied conditions. Optimized and tested the system for robust identification, suitable for security-focused applications.

TECHNICAL SKILLS

Programming Languages: Good at Java, familiar with C/C++, Python, SQL

Developing Environments: Eclipse, IntelliJ IDEA, VS, Git tools, Weka, MySQL, CHAT GPT Api

EXPERIENCE

United States Army, 7221 Medical Supporting Unit

Landstuhl, Germany

Patient Administration

May 2018 - March 2019

- Contributed to the successful completion of 190 inbound flights in over eight months as a Deployed Warrior Medical Management Center member. Coordinated logistics and information between the airport, clinics, transportation team, hotel, restaurant, and the other medical teams in a combat area, resulting in a seamless patient transition.
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United States Army, Evans Army Community Hospital

Colorado Springs, CO

Patient Administration

January 2015 - November 2016

- Coordinated the care of over 8,000 patient encounters while conducting clinic operations to ensure patients received appointments and adequate care. Demonstrated proficiency in Armed Forces Health Longitudinal Technology Application and Composite Health Care System to handle the information of patients resulting in no patient complaints.
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C Company 4th Brigade Support Battalion, Fort Carson

Colorado Springs, CO

Patient Administration & Headquarter Office Staff

July 2013 - December 2014

- Performed duties and responsibilities as a sole patient administrative clerk in Brigade and as an orderly room clerk, including processing patient encounters, tracking casualties, and processing personnel actions for over 4000 soldiers assigned to the 1st Stryker Brigade Combat Team.
- Successfully configured, operated, and maintained generators, air condition systems, and fuel management in field combating training.