Alex Jia

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EDUCATION

New York University　　　　　　　　　　　　　　　　　　　　　　　New York City, NY
B.A in Computer Science and Data Science, Minor in Economics, GPA: 3.9/4.0　　*Expected Graduation: 2026*

Bellevue Christian School　　　　　　　　　　　　　　　　　　　　　　　Bellevue, WA
High School Diploma GPA: 4.4/4.0 SAT: 1550　　　　　　　　　　　*Sept 2019 - Jun 2023*

EXPERIENCE AND LEADERSHIP

Back-end Developer and Event Coordinator　　　　　　　　　　　　　Jan 2024 – Present
BUGS Open Source Club　　　　　　　　　　　　　　　　　　　　*New York City, NY*
- Managed and led event coordination efforts to advance BUGS' mission in promoting open source ideals
- Organized events and partnered with industry leaders including Google, Microsoft, P5.JS and OpenSearch.
- Increased new membership by 28% compared to 2023 by advocating open-source workshops and speaker events
- Created a Python web-scraper script to extract 600 data from Leetcode and manage it in MongoDB

Director of Events, Chief Operation Officer　　　　　　　　　　　　Jan 2024 – Present
NYU International Student Council　　　　　　　　　　　　　　　　*New York City, NY*
- Directed a comprehensive 1 on 2 mentorship program to support new International students further
- Executed high-impact cultural events drawing over 5000+ attendees among 20000 International students
- Established strategic partnerships with 50+ clubs and organizations, expanding the impact of ISC

Undergraduate Research Assistant　　　　　　　　　　　　　　　Jun 2021 – Aug 2021
HighLine College　　　　　　　　　　　　　　　　　　　　　　*Kirkland, WA*
- Developed a Python program to automate analysis of bacteria growth under tetracycline treatment
- Resulted in a 43% reduction in analysis time and enabling quicker decision-making for research outcomes.
- Modeled by OpenCV with a focus on the Haar Cascades algorithm.

PROJECTS

Forex Trading Bot | *Python, Flask, React, MongoDB*　　　　　　　　Feb 2024 – Apr 2024
- Engineered a robust trading bot by Python, leveraging multi-threading and real-time decision-making
- Analyzed multi-candle patterns and integrated indicators like MACD and RSI for informed trading decisions
- Utilized Python for web scraping to gather live economic calendar data, headlines, and sentiments
- Scraped live economic data using Python and Flask, and stored it in MongoDB
- Developed a full-stack web application using React and Flask
- Generated $6000 in revenue over a two-month period with a net-revenue of 19 %

SmartCycle | *Python, TensorFlow, DeepLearning*　　　　　　　　　Feb 2024 - Mar 2024
- Implemented a Deep Learning Model for garbage image classification using VGG16 CNN architecture
- Achieved 78.96% test accuracy on a garbage classification dataset, showcasing model effectiveness

HighFive | *Java, Spring Boot, PostgreSQL*　　　　　　　　　　　　Oct 2023 - Sept 2023
- Collaborated in a team of 4 to develop a robust web application with a PostgreSQL and Spring Boot backend
- Facilitated user registration and web routing by Spring Boot and Hibernate ORM
- Employed Java EE components such as Spring MVC and Spring IoC for application development

TECHNICAL SKILLS AND OTHERS

Awards: 1st Place at 2023 HackRU Educational Track, 1st Place at 2024 HackTCNJ Domain Track, 1st Place at 2024 HackRU Sustainability Track (All Hackathons), 2021 2022 2023 Washington State Math Council Regional Champions
Courses: Project Management, Computer Vision, Statistics for Business Control and Regression Models, Databases for Business Analysis, Computer System Organization, Data Structures and Algorithm, Discrete Mathematics
Languages: Java, Python, C/C++, SQL, JavaScript, TypeScript, HTML/CSS
Technologies/Frameworks: React, Node.js, Flask, Spring Boot, NoSQL(MongoDB), PyTorch
Developer Tools: Git, Docker, Microsoft Excel
Interests: Poker, Basketball, Soccer, Premier League, Gym, Boxing, Chess, Astrophotography, IoT