Jason Jin

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*Actively seeking roles in Machine Learning, Data Science, or Full Stack Development | *No sponsorship required

EDUCATION

Columbia University in the City of New York **New York, NY**
Bachelor of Science in Computer Engineering *Sep 2021 - May 2023*
Franklin & Marshall College **Lancaster, PA**
Bachelor of Arts in Mathematics *Aug 2016 – May 2021*
Phillips Academy Andover (High School Diploma) **Andover, MA**

SKILLS & INTERESTS

Programming Languages: Python, C/C++, Java, JavaScript, HTML, CSS/Bootstrap, Motoko, React/Node/Express.js
Data Science and Visualization: TensorFlow, Keras, PyTorch, NumPy, Pandas, Scikit-Learn, Seaborn, Matplotlib
Tools & OS: AWS Amplify, Lambda, MySQL, Git, Mac OS, Windows, Linux, MongoDB, Neo4j, Django, GCP, Docker, Jupyter, DataGrip, Apache Hadoop, Synthesis & Simulation, FPGA, Microsoft Office Suite

PROFESSIONAL EXPERIENCE

Xeward, Inc. **New York, NY**
Co-Founder and Lead Engineer *May 2022 - Present*
- Deploying uniquely designed service workers for machine learning product architectures while developing dynamic, responsive web applications utilizing React and AWS.
- Actively integrating AI technologies into a variety of products to augment user engagement; More details available at my personal website (https://jasonhjjin.github.io/).

HumusOn (Marketing Automation Company) **Seoul, South Korea**
Software Engineering Intern *Jun 2022 - Aug 2022*
- Implemented automation protocols with CRM software, managed API requests for seamless integration with SK Telecom and Hyundai's Genesis, and developed machine learning models using Python, TensorFlow, and Scikit-learn to optimize performance on large datasets.
- Acquired technical skills in Tableau for statistical reporting and customer demand forecasting, while conducting data analysis, visualization, and comparative analyses using median EV/Revenue valuation methodology.

Witchcompany co. (Blockchain/NFT company) **Seoul, South Korea**
Software Engineering Intern *Jun 2021 - Aug 2021*
- Integrated DApps with the ETH blockchain with front-end tools like HTML, CSS, and JavaScript to enhance UX.
- Utilized Solidity to design, test, and deploy secure and transparent smart contracts on the Ethereum platform.

Upcoming ("Wemeet" Mobile Application Startup) **Seoul, South Korea**
Front-End Development Intern *Jun 2020 - Aug 2020*
- Gained a comprehensive understanding of the Model-View-Controller (MVC) arch by participating in workshops focused on Android/IOS Swift, and Full Stack Dev.

Defense Security Agency (Military) **Seoul, South Korea**
Signals Intelligence Officer and English Interpreter *Aug 2017 - Jun 2019*
- Assisted in translation and interpretation between DSA researchers and General Dynamics & Espy Corporation technicians, gaining insights in signal intelligence, antenna technologies, and wireless communication; received Letter of Appreciation from the NSA.

PROJECTS & CERTIFICATION

Machine Learning for Finance **New York, NY**
Group Project *Jan 2023 - May 2023*
- Implemented advanced natural language processing techniques, such as LSTM and FinBERT, using deep learning frameworks like TensorFlow and PyTorch to perform sentiment analysis on financial news articles for predicting stock market trends.
- Preprocessed large-scale financial datasets using Python libraries, including Pandas, NumPy, and scikit-learn, and conducted text preprocessing and sentiment scoring with NLTK, the Loughran-McDonald Master Dictionary, and custom text analyzers.
- Developed and optimized a stock market investment strategy based on top sentiment-scored stocks, leveraging machine learning algorithms and transformer-based models to enhance the effectiveness of the sentiment analysis and improve the overall investment strategy's performance.

Applied Machine Learning **New York, NY**
Group Project *Jan 2023 - May 2023*
- Investigated various machine learning methods (SVMs, Decision Trees, Random Forest, Boosting techniques, Logistic Regression, and Neural Networks) and data sampling techniques (Random Oversampling, Random Undersampling, SMOTE, and Balanced Weight) to address imbalanced data in predicting stroke risk from tabular medical records.
- Applied data preprocessing, feature engineering, and hyperparameter tuning to optimize model performance, focusing on performance metrics such as accuracy, precision, recall, AUC, and AP.

Web Development Bootcamp (Udemy Course) **New York, NY**
Personal Project | Certificate of Completion, Ref: 0004, 2023 *Jan 2023 - Apr 2023*
- Successfully completed "The Complete 2023 Web Development Bootcamp" with Dr. Angela Yu, expanding web development skills, including Web3 DApp development, ICP live blockchain deployment, custom crypto token creation, and building NFT marketplaces.
- Certificate URL: https://www.udemy.com/certificate/UC-6e1e772f-7e8d-46d7-9e22-d9bb033cc749/