

JunWoo Lee

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EDUCATION

University of Illinois-Urbana Champaign

Urbana, IL

B.S in Statistics; Minors in Mathematics and Computer Science; GPA: 3.2

Expected May 2026

Relevant Coursework:

Data structures, Algorithms, Stochastic Processes, Unsupervised Machine Learning, Applied Linear Algebra, Mathematical Proofs, Data Science Exploration

TECHNICAL SKILLS

Languages: C++, Python, Java, JavaScript, R, HTML, CSS

Framework/Libraries: MongoDB, Express, ReactJS, Node.js, NumPy, Pandas, SciKit-Learn, Jupyter Notebook, PyTorch

Tech: Git, VS Code, LaTeX, MS Office

Data Analysis/Visualization: SciKit-Learn, Matplotlib

WORK EXPERIENCE

CM INDUSTRY INC

San Diego, CA

Software Engineer Intern

May 2024 – Aug 2024

- Leveraged Jupyter Notebook to present data on the target market and revenue projections
- Cleaned raw data of all sales across different regions and organized it into a CSV file, reducing processing time by 40%
- Deployed Pandas, Seaborn, Scikit-Learn, and NumPy to apply linear and logistic regression models, organize, analyze, visualize, and train data

THINK ACADEMY US

Remote

Data Analyst

Dec 2022 – May 2024

- Applied Python, Scikit-Learn, R, and MATLAB to analyze SAT mock test results and identify key performance indicators
- Categorized scores into skill areas and applied regression analysis to pinpoint variables impacting student performance
- Developed personalized mock tests based on the analysis to enhance targeted skills, expanding enrollment by over 70%

SAMSUNG ELECTRONICS

San Diego, CA

Data Analyst Intern

Jun 2021 – July 2021

- Implemented financial modeling through factory production volume forecast for different periods
- Analyzed the trade-off effect between cost optimization and logistics performance in the factory
- Utilized data analysis to develop sales estimates based on future market conditions affecting logistics

PROJECTS

Algorithm Trading Bot

Created an automated trading bot using Machine Learning and Python

- Created an algorithmic trading strategy by integrating a machine learning model (FinBERT) for sentiment analysis
- Utilized the Alpaca API for trade execution and backtested strategies using Lumibot and YahooDataBacktesting
- Leveraged frameworks such as PyTorch for deep learning and optimizing performance with GPU acceleration

Track P.R Website (Full-Stack)

Utilized the MERN stack (MongoDB, Express, ReactJS, Node.js) to build a website to track user's P.R (Personal Record)

- Implemented RESTful API routes for lifting record and state management with React Context API and useReducer
- Integrated MongoDB for persistent data storage and handled form validation with dynamic error handling in the frontend

Predictive Modeling of Online Food Ordering Behavior

Performed data analysis to aid companies in identifying an effective consumer target

- Conducted a comprehensive analysis of factors influencing online food orders using machine learning for predictive analysis
- Developed an age prediction model (RMSE: 2.04) to identify and target potential consumer segments more effectively

LEADERSHIP

UIUC Korean Illinois Football Association

Urbana, IL

Head Coach

Sep 2022 – Nov 2022

- Created strategies and led the team to multiple victories against more established teams
- Recruited talents focusing on first-year students to create a 16-team roster