JAMES GUO

UCLA School of Engineering and Applied Sciences – Computer Science Major

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ABOUT ME

Programming Languages	Python, C/C++, Java, Swift, SQL, Git, Bash, React/JS, LaTeX
Languages	Fluent in Chinese; Conversational Proficiency in Spanish
Technologies	Emacs, Linux, Tensorflow, VSCode, Kubernetes, Microsoft Office
Interests	Basketball, Boxing, Poker, Cooking

WORK EXPERIENCE

iHerb, LLC   Irvine, CA
Machine Learning Engineer Intern   (June 2021 – Present)
  - Used Tensorflow graph freezing and concrete functions to cut all models prediction time by 75 percent
  - Developed and released pattern matching, categorization, and flagging packages for product reviews
  - Tested VertexAI NNs for demand forecasting against internally-made Random Forest classifiers

UCLA Anderson School of Management   Los Angeles, CA
Data Analyst and Research Assistant, Political Finance   (November 2020 – June 2021)
  - Created and implemented algorithm associating schools with ideology scores based on political donations
  - Scraped Wikipedia using Python to create a web app database linking school biographies and ideologies
  - Cleaned data using fuzzy logic to fix discrepancies in respondent answers in FEC Database

The Boeing Corporation   El Segundo, CA
Software Engineering Intern, Satellite Systems   (June 2019/2020 – August 2019/2020)
  - Wrote Python application to automate the analysis of employee management excel files for each satellite
  - Used Docker to containerize and generate environment for employee management application
  - Created a 3-month schedule with goals and deadlines to solve a payload design issue on a campus project

COMPETITIONS AND PERSONAL PROJECTS

Stock-Ed   (May 2021)
  - Worked in a team to develop a Stock Trading Game and Education Web-App using React and NodeJS
  - Wrote back-end code to develop retrieve cloud data, as well as handle stock trading and portfolio logic
  - Used Figma to design Web-App layout

Sandia National Laboratories Space Blimp Hackathon   (April 2021)
  - Participated in team of three to compete against West Coast schools and win 2nd place in ML/NLP challenge
  - Worked on tracking algorithms matching real vs fake space blimps to locations based on movement constraints
  - Helped develop an image processing algorithm to locate space blimps within satellite camera snapshots.

Rush   (November 2020)
  - Developed iOS App allowing students/alumni to review UCLA Organizations, Greek Life, and Clubs
  - Used SwiftUI to build Full-Stack with Authentication, Firebase Data and Image Storage and User Interface
  - Networked and partnered with organizations and students to increase app outreach and usage

Ext2 File System   (August 2020)
  - Designed and implemented personal malloc function in C using buddy segregated lists
  - Obtained 98% efficiency when compared with C STL malloc function
  - Programmed multiple back-testing features analyzing function speed, storage capability, and accuracy

EDUCATION

University of California, Los Angeles   Los Angeles, CA
B.S. Computer Science   (Expected Graduation: June 2023)
  - GPA: 4.0
  - Organizations: Association of Computing Machinery, Delta Sigma Pi
  - Coursework: Algorithms and Complexity, Artificial Intelligence, Formal Languages, Operating Systems, Software Construction, Data Structures, Computer Organization, Discrete Math