JUSTIN SONG

(213)703-3521 | justin57391@gmail.com| justinsong.site | github.com/jjustinsong | linkedin.com/in/jjustinsong

EDUCATION

University of California, Berkeley | Berkeley, CA   *Expected May 2025*
B.A. Computer Science, B.A. Data Science
- *Related Coursework*: Structure and Interpretation of Computer Programs, Data Structures and Algorithms, Discrete Mathematics and Probability Theory, Linear Algebra and Differential Equations, Foundations of Data Science, Principles and Techniques of Data Science, Machine Structures

PROFESSIONAL EXPERIENCE

Hyphenova Network | Los Angeles, CA   *January 2024 – Present*
Full-Stack Developer, AI/ML Intern
- Developed an automated web browsing scraper, reducing manual data extraction from social media platforms by 95%
- Enhanced sentiment analysis by fine-tuning Llama 2 model (LLM), boosting inappropriate content detection by 48%
- Integrated PostgreSQL with authentication and row-level security, improving app functionality and data management

ForUP | Los Angeles, CA   *June 2023 – August 2023*
Machine Learning Engineer Intern
- Extensively researched 40+ data solutions and evaluated their effectiveness for specific client project requirements
- Explored Natural Language Processing (NLP) and 10+ Large Language Models through targeted research initiatives
- Fine-tuned ELMo (LLM), increasing model accuracy by 32%, and integrated into existing project frameworks

Chapman University | Orange, CA   *June 2021 – August 2021*
Data Visualization Research Intern
- Collaborated with Dr. Yuxin Wen to research and analyze innovative methods for defect detection on wafer maps
- Conducted comprehensive statistical analysis on 50+ diverse datasets, using hypothesis testing and regression analysis
- Leveraged a variety of Python libraries to create advanced data visualization, successfully extracting critical insights

PROJECTS

Email Classifier, *Python, Flask, React, HTML/CSS, Tailwind*   *May 2024*
- Developed full-stack email spam detection application using React and Flask with an intuitive user-friendly interface
- Implemented RESTful API endpoints, handling HTTP requests to facilitate communication between frontend and model
- Conducted exploratory data analysis and feature engineering on email datasets to enhance spam detection accuracy
- Trained and deployed a logistic regression model using scikit-learn to achieve an 89% accuracy rate in classifications

Instagram Data Scraper, *Python, Selenium*   *February 2024*
- Developed a web scraping script to automate collecting Instagram profile data and serializing it into JSON format
- Integrated argparse for dynamic input handling, allowing the specification of files through command-line arguments
- Utilized regex for efficient text parsing, separating captions from hashtags and extracting critical numerical metrics
- Navigated, interacted with, and pulled web elements effectively utilizing Selenium, alongside XPath and CSS selectors

FLWR-MAN, *Java*   *March 2023*
- Developed an interactive game featuring a dynamic 2D array-powered map and a customizable/movable character
- Ensured distinct maps based on a user-inputted seed by arbitrarily generating the map upon creation of a new world
- Incorporated visually aesthetic in-game map changes and transitions based on conditional events triggered by character
- Implemented collision detection algorithms to manage interactions between characters and game environments

EXTRACURRICULUR

ASUC OCTO Web Development Team | UC Berkeley   *August 2023 - Present*
- Designed various pages for the website of the ASUC Office of the CTO using Figma to ensure optimal user experience
- Developed the website with React-based programming, enhancing site functionality and user interface (octo.asuc.org)

SKILLS/INTERESTS

- *Programming Languages*: Python, Java, C, Scheme, SQL, HTML, CSS, JavaScript, Dart, RISC-V
- *Frameworks/Libraries:* React.js, TypeScript, PyTorch, Node.js, Selenium, Tailwind, Flask, Pandas, Scikit-learn
- *Other Skills:* PostgreSQL, Git, Linux, FlutterFlow, Figma, AWS, Google Cloud, Docker, Microsoft Suite, 160 WPM
- *Interests:* NBA (Basketball), UCL (Soccer), Fantasy Sports, Fashion, Traveling, Gaming, Food, Anime/Manga