Eojin (Jinnie) Kim

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EDUCATION

University of California, Berkeley, *Berkeley, CA* **Expected Graduation**: Dec 2024
Bachelor of Arts, *Data Science*
Relevant Coursework: Object-Oriented Programming, Data structures, iOS App, Efficient Algorithms and Intractable Problems, Principles and techniques for Data Science, Industrial and Commercial Data Systems

SKILLS

Languages: Python, Java, Swift, SQL, MATLAB, HTML/CSS, Javascript, Go
Libraries: React, Pandas, Matplotlib, Scipy, Numpy
Tools: Figma, Xcode, Postman, Vite

PROJECTS

React-Based Food Recipe Blog *UC Berkeley Fall 2023*
• Crafted food blog with React and Vite, incorporating a dynamic search bar, CSS styling, and React Router navigation.
• Utilized axios for API calls and cheerio for HTML parsing, applying regex to format and extract recipe content efficiently.
• Spearheaded a team from concept to draft, delegating tasks and leading meetings for efficient project collaboration.

Sellify: iOS Marketplace App *UC Berkeley Spring 2023*
• Developed iOS app using SwiftUI, featuring dynamic search, 10+ categories, and 4 interactive tabs for user engagement
• Managed a team of four, delegating tasks for Swift-based front-end and back-end; utilized Figma for front-end design
• Implemented hierarchical authentication via Firebase, enabling tiered listing access and user account management

NLP-Powered Reddit Post Popularity Predictive Model *UC Berkeley Spring 2023*
• Achieved 56.4% accuracy using ML (logistic regression, BERT, TF-IDF) with NLTK, SciPy, and scikit-learn
• Incorporated clarity, sarcasm, and sentence length matrices, outperformed bag-of-words in feature engineering with Pandas
• Analyzed model biases and feature importance, proposing strategies to enhance accuracy and addressing class imbalance

Forest Fire Risk Classification Model *UC Berkeley Spring 2023*
• Constructed forest fire risk classifier with scikit-learn, achieving a 0.85 recall; employed confusion matrix for class balance
• Improved model accuracy with Matplotlib and Seaborn by handling multicollinearity and standardizing variables
• Conducted data preprocessing and feature engineering with Pandas; aiding model refinement via heatmaps and boxplots

PROFESSIONAL EXPERIENCE

Dhawan Medical Innovations **Remote**
Software Engineering and Business Development Intern *Sep 2022 - Dec 2022*
• Assessed 3 competitors' cancer-detecting bras for accuracy, cost, and potential risks, pinpointing strategic opportunities
• Optimized company website UX by analyzing analytics and user feedback, enhancing navigation and user-centric features
• Led a feasibility study for in-app diagnostic tool integration, recommending seamless tool integration for user experience
• Partnered with engineers, investigated a potential engineering technique, and produced report guiding future product strategies

LEADERSHIP

Structure and Interpretation of Computer Programs Course, *University of California, Berkeley*
Academic Intern *Aug 2022 - Dec 2022*
• Instructed 30+ students in a weekly lab on object-oriented programming concepts and algorithm problem-solving strategy
• Collaborated with academic interns and teaching assistant, enhanced student comprehension of course material