Elaine (Yee Ling) LIANG

Berkeley, CA | elaineliang0124@gmail.com | +1 (424) 232-2293 | www.linkedin.com/in/yeelingliang

Education

University of California-Berkeley   Berkeley, CA   Graduation Date: 05/2025

Data Science (Business/Industrial Analysis) B.A.
- **Relevant coursework:**
  - CS: The Structure and Interpretation of Computer Programs, Data Structures, Introduction to Artificial Intelligence
  - DS: Principles & Techniques of Data Science, Data Mining and Analytics, Principles of Engineering Economics, Probability and Risk Analysis for Engineers

Professional Experience

Dawnrise Inc. | Intern   Diamond Bar, CA   05/2023-Present

Project Manager - Market Analysis and Database Development
- Assisted the successful execution of the Product Line Review for Under Cabinet Lights and Accent Lightings at Lowe's, conducting comprehensive marketing research and business analysis
- Built a robust and dynamic database for light products across Lowe's and other top home improvements retailers in US, utilizing Selenium and Python to efficiently extract and parse data from online sources, which providing a comprehensive repository of product information and enabling informed decision-making regarding the US market's lighting segment

Personal/Group projects

ToppaMatch Frontend Development   01/2023-Present
- Developed a responsive and user-friendly web application using Figma, JavaScript, and React for a university career resource platform
- Integrate an API with backend to collect user input and deploy the website to provide high-quality recruitment information to all students at UC Berkeley

Machine Learning Engineer   04/2023-05/2023
- Developed a spam email classification model using natural language processing techniques and linear regression, achieving a 90.32% accuracy in distinguishing spam emails from a dataset of 8,348 emails
- Employed SpamAssassin dataset to design features and train a machine learning model for spam/non-spam email classification. Utilized common words, email length, and format, showcasing NLP and ML proficiency

Cloud Computing Web Application   12/2022
- Developed a web page using AWS Lambda function to render a default message and display text based on custom input, utilizing Amazon API Gateway to create a Restful API interface and AWS Identity and Access Management to manage permissions for secure data storage in Amazon DynamoDB

Leadership and Extracurricular Experience

Toppa (Berkeley Computer Science Technical Club)   09/2022-Present

Project Leader
- Develop a web application and participate in the ToppaMatch project frontend and design the web layouts
- Organize publicity of the official accounts in social media, publish articles about relevant technology news

Cloud Computing at California   09/2022-Present

Vice President of Education Branch
- Developed and implemented a comprehensive AWS certification preparation program for 30 club members within a 4-month timeframe, equipping them with essential cloud computing skills
- Facilitated hands-on projects and workshops in collaboration with members to enhance their proficiency in various AWS services, fostering a strong foundation in cloud technology and practical experience

Skills

Programming Language: Python; Java; JavaScript; SQL; R Programming
Development & Tools: Git; GitHub; Pandas; AWS; React; Xcode; Jupyter; Figma
Language: Cantonese; Mandarin; English