

Zoey Huang

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SUMMARY

UC Berkeley Data Science student with proven software development experience building full-stack applications using JavaScript, Python, and MongoDB. 1st place Kaggle competition win, 80% processing time reduction through automation, and successful deployment of MERN stack applications with AI integration. Strong foundation in data structures, algorithms, and collaborative development, seeking SDE internship opportunities.

SKILLS

Programming Languages: Python, C++, Java, JavaScript

Object-Oriented Design & Algorithms: Data structures and algorithms, object-oriented programming principles

Web Development: HTML, JavaScript, RESTful APIs, MERN Stack (MongoDB, Express.js, React, Node.js)

Database Technologies: MongoDB, SQL

Mobile Development: Flutter

Development Tools & Platforms: Git, Firebase, Unix/Linux

EDUCATION

University of California, Berkeley | Bachelor of Data Science

8/2023 - 6/2027

GPA: 3.89/4.0, Data Structures & Algorithms, Machine Learning, Statistical Computing, Database Systems, Data Engineering, Linear Algebra, Probability & Statistics, Computer Programming (Python)

National Taiwan University of Science and Technology | MBA, specializing in E-commerce

Vice Leader | Teaching Assistant for 2 EMBA courses

University of Stuttgart, Germany | Exchange Student (Scholarship Recipient)

PROJECTS

GreensWrld - Google Gemini 2.0 ChatBot | Full-stack Developer

6/2025 - 9/2025

An integrated plant care ecosystem featuring interactive maps, AI-powered plant assistance, and social media functionality for plant enthusiasts

[GitHub](#)

- Developed an AI-powered ChatBot system using Google Gemini 2.0 Flash Experimental, leveraging prompt engineering and multi-modal capabilities to process both text and image data for plant care guidance with **95%+ accuracy** in plant identification
- Implemented an Instagram-inspired plant photo sharing platform with comprehensive social features, including posting, commenting, liking, following, and keyword search functionality
- Built a responsive frontend using Flutter with Firebase integration for user authentication/data persistence

Plan B Investment Learning Platform | Full-stack Developer (MERN Stack)

6/2025 - 8/2025

A comprehensive web platform designed to help users learn investment strategies through real-time market data and portfolio tracking tools

[Live](#) | [GitHub](#)

- Developed an investment learning platform using the MERN stack with Finnhub RESTful API for real-time market data integration
- Implemented an innovative data solution utilizing Google Sheets for market indicators (Fear & Greed Index, NYMO, Market Breadth), **eliminating API subscription costs \$60/month**
- Built a comprehensive trade logging system using MongoDB, and applied Mongoose to enforce schema validation to guarantee data integrity
- Designed an interactive dashboard with intuitive UI for portfolio tracking and investment decisions

Student Dropout Prediction | Machine Learning

12/2024 - 2/2025

Machine learning project focused on predicting student dropout risk to enable early intervention strategies [GitHub](#)

- Achieved **1st place** in the Kaggle Credit Card Default Risk Prediction competition
- Developed classification models (ANN, XGBoost, SVM, Random Forest) to predict student dropout risk
- Engineered domain-specific features, improving the ANN model's **F1 score from 0.78 to 0.87**
- Created SHAP visualizations for model interpretability and stakeholder decision-making

WORK EXPERIENCE

IMVITEC Corporation | Technical Consultant | Taipei, Taiwan

9/2024 – 8/2025

Served as a technical liaison facilitating communication between business development and software engineering teams to ensure alignment on project requirements and deliverables.

- Architected scalable product frameworks and established development standards for engineering teams.
- Led cross-functional collaboration to design and implement technical solutions meeting client requirements.
- Translated business requirements into development roadmaps and technical specifications, establishing quality standards.

Tektronix Taiwan, Ltd. | Channel Sales Representative | Hsinchu, Taiwan

2/2015 – 6/2022

Managed channel partner POS and inventory reporting for the distributor division while overseeing comprehensive operations for the Hsinchu branch office, including finance, administration, and inside sales functions.

- **Reduced 80% manual processing time** through automated data processing solutions using Excel formulas
- **Reduced office operational costs by 50%** within 2 months through workflow optimization and vendor negotiations, coordinating with international and local teams
- **Delivered 30% conversion improvement and 10% sales growth** by building analytics pipelines for 150+ weekly customer interactions

SELF LEARNING CLASSES

Full-Stack Software Development | Google-supported TechWise by TalentSprint

1/2024 - 9/2025

High-impact industry-focused program (10% acceptance rate) - Scholarship Recipient

LEADERSHIP EXPERIENCE

Taiwan Next | Co-Leader, Volunteer Relationship Team

8/2024 -

Present

- Coordinate 95+ volunteers across recruitment, engagement activities, and cross-team collaboration
- Maintained volunteer management website and co-organized Taiwan Tech Summit (2,000+ attendees)