

# 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

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)