Yi(Zoe) Zhang

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EDUCATION

Northeastern University, San Jose, California
Master of Science in Information Systems, **GPA: 4.0/4.0**   01/2025 - 05/2027(Expected)
Coursework: Application Engineering and Development, Application Modeling & Design, Python for Information Systems, Data Science Engineering Methods & Tools(Machine Learning), Web Design and User Experience Engineering, Program Structure and Algorithms

Shanghai Sanda University, Shanghai
Bachelor of Hospitality Management   09/2015 - 07/2019

SKILLS

Programming languages: Python, JavaScript, TypeScript, SQL, Java, HTML/CSS
Software Engineering: Object-Oriented Programming (OOP), Design Patterns, Unit Testing, Agile/Scrum
Frameworks & Technologies: React.js, Flask, Django, RESTful APIs, Node.js
Development Tools: Git, Docker, AWS, GCP
Databases: MySQL, PostgreSQL, MongoDB
Data processing & Analysis: Pandas, Numpy, Matplotlib

PROJECTS

PronunciAid - Chrome Extension   *[link](#)*
Developer   *12*/2025
  • Built Chrome extension using context menu API and content scripts to enable one-click pronunciation lookups
  • Integrated YouGlish search **automation**, reducing lookup time from **15+ seconds to <2 seconds**
  • Implemented lightweight, privacy-friendly design with no user data collection
  • Shipped extension to Chrome Web Store in a week, achieved 5-star user rating

Data Quality Check & Cleaning Web Tool   *[link](#)*
Developer   05/2025 - 08/2025
  • Built client-side web app to automate Excel/CSV data validation, reducing **2+ hour manual process to under 1 minute**
  • Designed modular JavaScript architecture with event-driven patterns, enabling real-time validation of **10,000+ rows**
  • Integrated **Papa Parse** and **SheetJS** libraries to handle multiple file formats with sub-second parsing performance
  • Implemented automated checks for missing values, duplicates, and format errors, achieving **90%+** time savings

EXPERIENCE

Founder & President of HuskyCode Club, San Jose, California
Northeastern University   09/2025 - Present
  • Founded and led a **100+** member student coding club, fostering technical problem-solving skills and algorithmic thinking
  • Taught online sessions on core **Data Structures and Algorithms** with guided LeetCode problem-solving exercises
  • Collected and analyzed member feedback to identify skill gaps and optimize session design
  • Designed and ran **2 weekly in-person** workshops for LeetCode and interview-style problem practice
  • Built and managed the club's **GitHub** site to centralize resources for learning, coding practice, and technical reference

Data Analysis Coordinator, Shanghai
Sanofi Investment Co., Ltd.   05/2022 - 02/2024
  • Developed data visualization pipelines using **Power BI**, optimizing **$1M annual budget**, supporting strategic decision-making
  • Engineered a migration to Excel **Pivot Tables** based on sales feedback, improving usability and preventing **30%** budget cuts
  • Conducted data analysis using advanced Excel to identify key customer opportunities and directly support business strategy

Business Operations Specialist, Shanghai
Pfizer Investment Co., Ltd.   06/2020 - 05/2022
  • Conducted large-scale data analysis on travel/expense data using **advanced Excel/VBA** to generate executive reports, informing CEO-level strategy
  • Streamlined and managed meeting application lifecycle, processing **1,075+** applications **(up to $850K)** in **12 months**
  • Trained **200+** employees on meeting processes, reducing processing time by **20%**
  • Coordinated project logistics for Pfizer's CIIE exhibition, demonstrating project execution and cross-functional coordination

HONORS & CERTIFICATIONS

  • **Discovery Award:** Student Research & Innovation Showcase, Northeastern University, 04/2025
  • **Certificate:** Programming Foundations: Object-Oriented Design, LinkedIn Learning, 03/2025
  • **Certificate:** Learning SQL Programming, LinkedIn Learning, 03/2025