

Zixuan (Zoey) Wu

Open to Relocate | 984-261-5761 | wuzxapple@gmail.com | [LinkedIn](#)

EDUCATION

Columbia University

Expected May 2025

Bachelor of Science in Computer Science

GPA: 3.54/4.00

Relevant Coursework: Algorithm Analysis (Spring25), Data Structures in Java, Database, Machine Learning, Statistics

SKILLS & ACTIVITIES

Programming Languages: Python (OpenCV, Numpy, Pandas), Java, SQL, MySQL, C, HTML, CSS, JavaScript

Software Skills: Unix/Linux Environment, IDEs (VS, VS Code), Microsoft Office Suite (Excel, Word, PowerPoint), Github

Activities: Table Tennis Club (President), Columbia Business School AI Club Innovation Challenge (UI Designer)

Languages: Chinese (Native), English (Advanced Proficient), German (Intermediate)

WORK EXPERIENCE

Tencent Inc. | *Software Engineer Intern* | Shenzhen, China

July - Sep 2024

- Identified root causes using **Process Explorer** and **Process Monitor** of **Windows** system to diagnose and resolve app crashes, **reducing uninstall rate** by 10% and enhancing user retention
- Optimized the homepage UI of the Tencent PC Manager App through **C++** and **XML** source code modifications to improve visual clarity for users with long account names, achieving a 15% reduction in user-reported issues
- Developed a **Python** script using the WeChat chatbot API to automate phishing data distribution, enabling real-time sharing of phishing data and improving the team's response time by 30%
- Created a calculator program using **Qt plugins within Visual Studio**, enabling perform basic calculations and linking to an online calculator

Baidu Inc. | *Software Engineer Intern* | Beijing, China

June – July 2024

- Analyzed consulting data with **SQL**, debugged back-end communication with Google Chrome's Inspect Elements, and collaborated with telecom providers to diagnose and resolve 80+ client issues with intelligent phone services, improving service reliability and customer satisfaction
- Designed and implemented **dynamic dashboards** with custom SQL and internal software to **automate data reporting processes**, enabling non-technical staff to access client data by simple inputs and **boosting team productivity** by 55%
- Monitored call records, extracted flagged keywords using SQL and compiled reports for the Product Manager, verified the legality of transactions conducted on Baidu's platform to safeguard compliance and reduce potential illegal risks

Kimber Health, New York Wealth Planning Group | *Customer Service* | New York, NY

July – Sep 2023

- Assisted 100+ international students and families in navigating New York's government health insurance system, ensuring optimal coverage and school requirements compliance
- Resolved client inquiries** on insurance terminology, benefits, and procedures via WeChat, email, and phone, collaborated with insurance providers to deliver solutions for non-native clients
- Conducted competitor analysis by collecting and organizing product and marketing data into a comparative chart to support strategic planning
- Designed marketing materials using Canva, and authored a 500-word blog on Red, generating 800+ views and attracting 50+ new customers, driving product engagement and brand visibility

Barnard A2R Lab | *Data Analyst* | New York, NY

Oct 2022 - Feb 2024

- Researched on STEM Education & Women's Accessibility, collected and analyzed biography data from 10,000 websites using **Python** and **HTML** parsing to study gender representation in robotics
- Processed datasets with **Pandas** and **Excel** to calculate the proportion of female researchers, identifying a significant gender gap in the field
- Co-authored the paper [Underrepresentation of Women in Robotics Research \(IEEE Robotics & Automation Magazine, 2024\)](#) advocating for enhanced gender equality in STEM education among educators and policymakers

PROJECT EXPERIENCE

Web App Development | *Software Engineer* | New York, NY

Dec 2024 – Jan 2025

- Developed a **Python**-based web app using **Streamlit**, **LLM APIs**, and **Github version control** platform to match student resumes with job descriptions, **improving recommendation accuracy** by 50%
- Led the application team, designing a **database** with **sqlite3** and implementing **back-end** functions for data storage, retrieval, API calls, and result storage, ensuring users receive accurate and up-to-date matching results
- Proposed and implemented **user-friendly features**, including sorting, collapsible tables, and search by student and company names, **boosting user productivity** by 60%