Tiffany Fu

812-603-7521 | tiffany.fu7@gmail.com | tiffanyfu.me | LinkedIn | GitHub

Programming Languages: Python, Java, C, HTML, CSS, JavaScript, React, TypeScript, Golang, SQL, R, MATLAB
Technologies/ Frameworks: Arduino, Git, Linux, Firebase, Adobe Suite, Figma, numpy, pandas, Apache Kafka, Netlify

EDUCATION

Columbia University   **September 2022 - May 2026**
- BS Computer Science, Dean's List 3.72/4.00 | Relevant Courses: Data Structures and Algorithms (Java), Advanced Programing (C, SQL, Git), Discrete Mathematics, Multivariable Calculus, Intro to Computing for Engineers + Applied Scientists (Python), Linear Algebra, Computational Statistics, Art of Engineering

Cornell University   **May 2024 - Aug 2024**
- Machine Learning Foundations Certificate

Hong Kong University of Science and Technology   **January 2024 - May 2024**
- Science Exchange Program | Relevant Courses: Operating Systems, Exploring AI, Integrated Systems Design: IoT, HCI

Columbus North High School   **August 2018 - May 2022**
- Honor's Diploma, Rank 4/500+ | Courses: AP Computer Science A (5), AP Statistics (5), AP Calculus BC (5), AP Physics (5), Mechanics (5), Electricity + Magnetism (5), AP Language + Composition (5), AP Psych (4), AP US Gov (5)

PROFESSIONAL EXPERIENCE

Voltus Inc. *Full Stack Software Engineering Intern*   **June 2024 - August 2024**
- Engineered an end-to-end ETL pipeline to efficiently collect and process data from external APIs, integrating it into a Kafka topic to ensure real-time data streaming and reliability using Golang, Python, and SQLAlchemy
- Implemented storage solutions in Clickhouse, optimizing data accessibility to achieve response times under 70 ms

Break Through Tech *Artificial Intelligence/Machine Learning Fellow*   **May 2024 - Present**
- Contributed towards 12-month long program including ML Certificate with Cornell University, experiential learning experiences, and mentorship from industry professionals

Tom Pickett's Music Center *Private Violin Instructor*   **December 2018 - July 2022**
- Taught private lessons in music theory and violin techniques to over 20 students of beginner and intermediate level of all ages through weekly in-person lessons

PROJECTS

AI Tools in the Legal Sector | Github | (LLM, NLP, Python, Colab)   **2024**
- Develop AI-driven solutions including content generation, sentiment detection, and redaction for LegalDuel Platform

Babylon Micro-Farms AI ChatBot | Github | Demo | (OpenAI, React, CSS, Git)   **2024**
- Developed an AI-powered customer support chatbot built with React and OpenAI Assistants API
- Collaborated with team of 3 software engineers to achieve 100% project completion and incorporate additional features
- Presented chatbot to Babylon Micro-Farms CTO and Head of Data Science showcasing technical and communication skills in front of group of 20 peers and instructors

Web Server & Client in C | Github Gist | (C, Vim, Linux)   **2023**
- Programmed TCP server that accepts HTTP requests and serves dynamic data to client program on the web

GameHub | Github | (React/TypeScript/ChakraUI/Vercel)   **2023**
- Built and deployed web application with custom search query and HTTP request operations to display video game info
- Implementation of front-end development libraries and deployment tools through 100% course completion

TripSplit | Github | (HTML/CSS/JavaScript/Firebase/Git)   **2023**
- Built full-stack web application to track, display, and calculate group trip shared expenses with Firebase DB connection
- Worked with partner to successfully finish hackathon project and pitch presentation to judges and 50+ peers

ADDITIONAL

Honors + Awards: Congressional App Challenge District Winner (2021), NCWIT Regional Affiliate (2022), Mathworks Math Modeling Technical Award Honorable Mention (2022), Girls Go CyberStart State Competitor + Top 3 Finish (2022), All-State First Team Doubles (2021), All-State Orchestra Violinist (2021)
Leadership Positions: CU SWE Community Outreach Committee Member, CU Tennis Club Vice President
Languages: English (Native Proficiency), Mandarin (Professional Working Proficiency)
Interests: Film + Media, HCI, AI, Design, Tennis, Violin, Saxophone, Guitar, Philosophy, Travel, Nature