Tiffany Fu

812-603-7521 | tiffany.fu7@gmail.com

Relevant Links: [LinkedIn](#) | [GitHub](#)
Programming Languages: Python, Java, C, HTML, CSS, JavaScript, TypeScript, React, R
Technologies/ Frameworks: Git, Linux, Firebase, Adobe Suite, Figma, MATLAB, Netlify, Bootstrap, Chakra UI, pandas

EDUCATION

Columbia University   **September 2022 - May 2026**
- BS Computer Science, Dean's List | 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

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 1 (5), Mechanics (5), Electricity + Magnetism (5), AP Language + Composition (5), AP Psychology (4), AP US Gov (5), US History (4)

PROJECTS

Babylon Micro-Farms AI ChatBot | [Github](#) | [Demo](#) | (OpenAI, React, CSS, Git)   **2023**
- 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 and client program to receive data 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

Character Recognition Neural Network | (Java)   **2022**
- Completed skeletal code of multilayer neural network to recognize handwritten English characters with 98% accuracy

WORK EXPERIENCE

Tom Pickett's Music Center   **December 2018 - July 2022**
Private Violin Instructor   Columbus, IN
- 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
- Built and published professional business website for Tom Pickett's, increasing online presence and attracting new customers to historic local store

Columbus Indiana Philharmonic Summer Strings Camp   **July 2020, 2021, + 2022**
Violin Instructor and Camp Counselor   Columbus, IN
- Taught young beginner level students the basics of violin playing and performance in week long summer camps
- Assisted in organizing and successfully leading end-of-camp concert for over 5 groups to an audience of 70+ members

ADDITIONAL

Honors + Awards: Congressional App Challenge District Winner (2021), National Center for Women in Computing 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 + Social Media Manager, CN Women's Tennis Captain, Environmental Club President, String Orchestra Concertmaster, Jazz Band Lead Alto
Languages: English (Native Proficiency), Mandarin (Professional Working Proficiency)
Interests: Film + Media, HCI, Design, Tennis, Violin, Saxophone, Guitar, Philosophy, Travel, Nature