"CHARRY" ZICHAO WU

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CAREER OBJECTIVE

- Fullstack Engineer (Python, Go, TypeScript, React) with entrepreneurial mindset and constant desire to grow, seeking full-time software engineer position with earliest start date in March 2024.

SUMMARY OF QUALIFICATIONS

- Previously worked at TikTok Ads and The Trade Desk (AdTech). Recent open-source contributor of AI Agent project.
- Founding fullstack engineer of early-stage EdTech AI SaaS startup (bootstrapped), built novel interfaces of a video e-learning platform. Helped in engineering, hiring, customer support to make the project investable during MS degree.
  - ➢ **Programming Languages:** Python, Go, JavaScript/Typescript, C/C++, PostgreSQL
  - ➢ **Frameworks/Libraries:** Django/FastAPI, React/Vue, Gin/Gorilla Mux, Redis, Docker, Git, FFmpeg, Kubernetes

PROFESSIONAL EXPERIENCE

ByteDance US – Mountain View, CA   Mar. 2021 - Sep. 2022

Frontend Engineer, TikTok Ads (tiktok.com/business), quit for master's degree due to H1b non-selection

- Built new features on ad delivery platform (attracting ad revenue from small/medium businesses):
  - Overhauled advertiser payment checkout experience, resulting +5% increase on $12M (2021) weekly ad revenue.
  - Implemented multiple versions of payment UI to be A/B tested across multiple user segments. Used private NPM packages for ease of implementation and integrated with ByteDance's internal A/B testing dashboard.
  - Launched new ad delivery objectives on mobile site, which witnessed $3k/w Ad spending in SEA countries.
- Drafted team's documentation of major frontend projects, which helped new engineers onboard smoothly.

Educational Vision Technologies (EVT.ai) – San Jose, CA (Remote, Part-time)   Oct. 2022 - Present

Web Fullstack Engineer, Founding Team Member

- Built most parts of EVT's e-learning platform, which currently serves 9 B2B customers. Recent efforts include:
  - [Eng] Developed Canvas LMS LTI integration for easier user access and better product exposure.
  - [Eng] Contributed to bugfixing, load analysis & optimization, refactoring, devops, and documentation.
  - [Customer] Launched email campaign targeting professors & univ dept. chairs, resulted in ongoing pilots. Manually processed lecture recordings using FFmpeg for special vid format.
  - [Fundraising] Co-presented project ideas to potential investors in a pitch competition, winning $1.7K prize.

The Trade Desk – Irvine, CA   Mar. 2020 – Nov. 2020

Software Engineer, DSP Platform

- Contributed to sprints that built the next version user interface (UI) for the company's SaaS demand-side ad platform that serves 800+ global advertising agencies.

Whova – San Diego, CA   Apr. 2019 - Sept. 2019

Software Engineer Intern

- Worked with web team on Whova's event management platform used by organizers of 2,500+ events annually.
- Implemented front-end features in two versions for A/B testing and back-end biz logic in Django and MySQL.
- Revamped an internal email auto-sending service that distributes email campaigns to 2,200 addresses daily
  - Utilized bot sender on multiple machines for further automation & bypassing Gmail's anti-bot policy.

PROJECTS

- AI Agent for Data Analysis & Software Engineering (FastAPI): https://github.com/YORG-AI/Open-Assistant
  - Open-source contributor, developed customized IPython Kernel and GitHub tool connector
- SimpleBank backend (Go, Docker, Kubernetes): https://github.com/CharryWu/simplebank

EDUCATION

Master of Science (MS), Computer Science; expected Mar. 2024, Santa Clara University (San Jose, CA), GPA 3.8

Bachelor of Science (BS), Computer Science; earned Mar. 2020, University of California, San Diego, GPA: 3.5