Sibei Chen

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For updated version of my resume, visit: https://resume.tonychen.page.

🎓 EDUCATION

UNIVERSITY OF MARYLAND   May 2022

Bachelor of Science

Major in Computer Science. Minor in General Business.
Cumulative GPA: 3.90

SHANGHAI JIAO TONG UNIVERSITY   Feb. 2021 - Jun. 2021

Exchange Program

School of Electronic, Information and Electrical Engineering

⚙ SKILLS

- Languages: English - Proficient, Chinese - Native
- Programming Languages: Python, Java, LaTeX, Swift, C, Ruby, Ocaml, SQL, Racket
- Platform: Windows 10, Linux (Ubuntu, Raspbian), Mac OS X
- Skills: Cryptography, Database Design, Data Visualization, Algorithm Design, Compiler, Computer Vision, iOS Programming, Network Security
- Others: Bash, Javascript, HTML & CSS

👥 EXPERIENCE

UNIVERSITY OF MARYLAND   Aug. 2021 – May. 2022

Teaching Assistant   CMSC 335 - Web Application Development with JavaScript

Teaching Assistant   CMSC 436 - Programming Handheld Systems

- Responses to student questions via Piazza, holds weekly office hours, and implements/grades projects and tests
- Enhanced my ability in communication and teaching

ACM RESEARCH (SHANGHAI), INC.   Feb. 2021 – Mar. 2021

Intern   Mechanical Engineering Department

- Used Solidworks to build 3-d parts.
- Created an automatic archiving system to track and archive solidwork files of standard parts.

SAIC MOTOR PASSENGER VEHICLE COMPANY   Jul. 2020 – Oct. 2020

Intern   Software Development Division

- Developes embedded system and computer vision system on passenger vehicles.
- Works in a team consists of 5 members.
- Implements software with AUTOSAR system.

MORGAN STANLEY HUAXIN SECURITIES CO., LTD.   Apr. 2020 – Jul. 2020

Intern   Board of Directors Office

- Prepared for Company's majority shareholder equity transfer.
- Modified its *Corporate Governance Policy* and other internal guidelines.
- Provided detailed information and presentations for regulatory administrations.
- Comprehends securities regulation set forth by CSRC.

UNIVERSITY OF MARYLAND

Oct. 2019 – Jul. 2020

Student Driver Shuttle UM
- Drove shuttle buses and transit vans at the University.
- Familiared with mechanical structures of automotives.
- Acquired the Commercial Drivers' License through rigorous training.

UNIVERSITY OF MARYLAND

Sep. 2018 – Dec. 2019

Research Assistant Department of Human Development and Quantitative Methodology
- Data entry, literature review and basic data compiling for cognitive diagnosis modeling.
- Provides visual interpretation and analysis presentations.

RURAL TEACHER TRAINING

Summer 2015 – Summer 2018

Volunteer Event Organizer
- Organized multiple entertainment events with over 500 audiences.
- Made arrangements with vendors and sponsors.
- Hosted in one of these events.

✦ PERSONAL PROJECT

WEATHER POLLUTION DATA VISUALIZATION

For **Data Visualization and Analysis** course taken in *Shanghai Jiao Tong University*
- Frontend created using d3.js and AMap api
- Backend supported by express server and sqlite3

FINANCIAL RECORD KEEPING APP

For **Programming Handheld System** course taken in *University of Maryland*
- Created using latest SwiftUI framework
- A simplified bookkeeping app that stores everything locally
- Designed with payment remainder and transaction tagging system

✹ HONORS & CERTIFICATES

- Dean's List and Academic Honor in all semesters
- Office of Multi-Ethnic Student Education Academic Excellence Awards
- Google Cloud Platform Essential Certificate