

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, L^AT_EX, 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

- Develops 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.
- Familiarized with mechanical structures of automobiles.
- 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