# Tony 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: 3.88
Taking courses in Algorithm Design, Compiler, web and iOS Programming.

**SHANGHAI JIAO TONG UNIVERSITY**                                        Feb. 2021 - Jun. 2021

*Exchange Program*

School of Electronic, Information and Electrical Engineering
Taken course in Database Design, Data Visualization, Cryptography and Network Security.

## 👥 EXPERIENCE

**UNIVERSITY OF MARYLAND**                                                Aug. 2021 – Dec. 2021

*Teaching Assistant*   CMSC 436 - Programming Handheld Systems

- Responses to students' questions on forum
- Holds office hours for 3 hours/week
- Grades projects and exams

**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**                                                        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.

# 🖥 PROJECTS

**WEATHER POLLUTION DATA VISUALIZATION**

For **Data Visualization and Analysis** course taken in Shanghai Jiao Tong University.
- Based on past weather pollution data of China from 2013-2018
- Frontend created using d3.js and AMap api
- Backend created using 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

# ⚙ SKILLS

- Languages: English - Proficient, Chinese - Native
- Programming Languages: Python, Java, LaTeX, Swift, C, Ruby, Ocaml, SQL, Flask
- Platform: Windows 10, Linux, MacOS X
- Others: Bash, Javascript, HTML & CSS

# ✸ 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