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# STEVEN MAO

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## EDUCATION

**Texas A&M University**, College Station, TX                                              **August 2021 - May 2024 (Expected)**
**Honors B.S. Computer Science, Minor Mathematics and Statistics**
GPA: **4.00** (Fall 2022)
Coursework: Discrete Structures, Data Structures and Algorithms, Linear Algebra, Computer Architecture, Statistics, Machine Learning, Design and Analysis of Algorithms, Software Engineering, Computer Systems

## PROFESSIONAL EXPERIENCE

**Teacher Assistant | Texas A&M College of Engineering**                                                             **Present**
- Taught over 120 students and graded 724 students' laboratory assignments with a team of TAs
- Assisted students' labs and questions in-class
- Held weekly office hours for personal tutoring and inquiries
- Led 2 hour exam review sessions in the professor's place

**Shift Lead | Orange Leaf**                                                                                      **Summer 2021**
- Represented the store when resolving customer conflicts and inquiries
- Responsible for customer service and inventory organization
- Trained and led 3 workers in procedures, customer etiquette, and store management

## PERSONAL PROJECTS

**Portfolio Website**                                                                                               **Present**
*Full Stack Development*
- Creating an aesthetic portfolio to present past and future projects and activities
- Using **HTML** and **CSS** with supplementary tools like **jQuery** and **Bootstrap** to make it responsive
- Planning to host on Github Pages, then move to an AWS EC2 instance

**Blubot: Utility Discord Bot |** https://github.com/stevenmao27/Blubot                                            **Summer 2022**
*Full Stack Development*
- Run with Pycord, a Discord **API on Python** requiring backend management of asynchronous functions
- Hosted with cloud technologies on **AWS** and **Heroku**
- Utilized several APIs: FFMPEG API for web audio streaming-, Weather.gov API, and Discord's UI API for interactive GUI

## TEAM PROJECTS

**American Airlines (WIP): Baggage Data Prediction Model**                                                           **Present**
*Data Science*
- Sanitize AA's official raw dataset of baggage check-ins using data analytic packages (ex. **Numpy, Pandas, etc**)
- Design a machine learning prediction model that guesses the correct amount of bags for any given flight with **scikit-learn**

**AgTern: Internship-scraping App for Engineering Students**                                                        **Fall 2022**
*Front-end Development*
- Created an application with a team that extracts career data top companies
- Designed UI/UX front-end with **Tkinter**, but opted for **Angular** later.
- Assisted writing web-scraping configurations using **Selenium** and regex for extraction

## SKILLS

- **Programming Languages:** C++ | Python | HTML | CSS | Javascript | SQL | Java | Scheme/Gambit
- **Libraries and Frameworks:** Numpy/Pandas | Selenium | Matplotlib | Bootstrap | JQuery | Angular | API
- **Miscellaneous Technologies:** Linux/Powershell Bash Scripting | Git/GitHub | Excel/Sheets | AWS | HeroKu
- **Foreign Languages:** Mandarin Chinese (Proficient) | Spanish (Limited)