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STEVEN MAO

stevenmao27.github.io/Portfolio
github.com/stevenmao27
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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
– Provided advice and assistance for students' laboratory assignments
– Tutored and helped students when holding weekly office hours
– 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 new employees in procedures, customer etiquette, and store management

PERSONAL PROJECTS

Portfolio Website | https://stevenmao27.github.io/Portfolio | **Present**
Front-End Development
– Create an aesthetic portfolio to present professional and personal projects, resume, and hobbies in a creative fashion
– Use **HTML/CSS** and libraries like **jQuery** and **Bootstrap** for responsiveness and **JavaScript** for immersive animations
– Hosted on Github Pages, then moving to an AWS S3 Bucket soon

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 **Heroku,** and now an **AWS** EC2 Instance running a containerized daemon with **screen**
– 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)