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STEVEN MAO

stevenmao27.github.io/Portfolio
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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: **3.89** (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**
- Teach over 120 students python programming and graded 724 students' labs for ENGR102
- Tutor students and provide advice while holding weekly office hours
- Hold recitation for CLEN261, an Engineering Profession Development course
- Teach two sections for ENGR216, a physics and statistics engineering course

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 **Winter 2022**
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 | Bash | Rust
- **Libraries and Frameworks:** React | Numpy/Pandas | Selenium | Matplotlib | MongoDB/Mongoose/Atlas | Angular
- **Technologies and Cloud:** Linux/Powershell | Git/GitHub | Excel/Sheets | AWS | HeroKu | Google Cloud | Docker
- **Foreign Languages:** Mandarin (Proficient) | Spanish (Limited)