

EDUCATION

Texas A&M University, College Station, TX

August 2021 - May 2024

Honors B.S. Computer Science, Minor Mathematics and Statistics

GPA: 3.89 (Spring 2022)

Coursework: Machine Learning, Design and Analysis of Algorithms, Software Engineering, Computer Systems

PROFESSIONAL EXPERIENCE

Teacher Assistant | Texas A&M College of Engineering

Present

- Effectively taught three different courses as a Peer Teacher for 600+ students
- Created an open environment in office hours to tutor students for programming labs
- Led Recitation and guided students to create engineering projects
- Spend 5+ hours weekly grading and collaborating with fellow TAs

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

PROJECTS

Inverstart: Stock Trading Simulator | github.com/waterdoze/InvestmentLiteracyTool

Spring 2023

Full-Stack Development - Hackathon 2023

- Design a stock simulator to promote healthy financial habits and good spending
- Utilized **React** to create a sleek interface and **Express.js** server to facilitate stock API data

Portfolio Websites | stevenmao27.github.io/Portfolio | people.tamu.edu/~stevenm27/

Winter 2022

Front-End, UI/UX Design

- Create beautiful portfolios to present professional experience, projects, and skills
- Use **HTML/CSS** with **jQuery** and **Bootstrap** for responsiveness and **JavaScript** for immersive animations
- Hosted on Github Pages, then to an AWS Lightsail

Blubot: Utility Discord Bot | github.com/stevenmao27/Blubot

Summer 2022

Back-End Development

- Wrote a bot that helps players find teams and a music player
- Using Discord's backend **Pycord API**, created commands that respond to server requests
- Hosted on **Heroku**, but now runs an **AWS EC2** Instance inside a **screen** daemon
- Utilized several APIs for functionality such as channel audio streaming, weather, and GUI framework

American Airlines (WIP): Baggage Data Prediction Model

Present

Data Science

- Sanitize AA's official raw dataset of baggage check-ins using data analytics (ex. **Numpy**, **Pandas**, etc)
- Design a machine learning prediction model with **SciKit** that returns checked bags for any given parameters

SKILLS

- **Programming Languages:** C++ | Python | HTML | CSS | Javascript | SQL | Java | Scheme/Gambit | Bash
- **Libraries and Frameworks:** React | 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)