

Andrew Shang

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EDUCATION

Texas A&M University

College Station, TX

Bachelor of Science in Computer Science, Minor in Mathematics

Aug. 2020 – May 2023

- Craig and Galen Brown Engineering Honors
- Relevant Coursework: Data Structures and Algorithms, Discrete Mathematics, Operating System, Software Engineering
- Taking: Machine Learning, Parallel Computing, Cloud Computing

EXPERIENCE

State Farm

May 2022 – Present

Software Engineering Intern

Richardson, TX

- Developed and injected survey capabilities into Auto Insurance Quote page with Angular Typescript
- Wrote unit and automated tests for proper integration using Jasmine and Codecept.js
- Deployed to over 20 states on a rollout basis

Machine Learning Research Assistant

June 2021 – October 2021

Texas A&M University

College Station, TX

- Developed a deep learning model for predicting embedded representations of protein sequences
- Developed using multi-task and multi-model learning techniques with Python and PyTorch

Resident Assistant

August 2019 – May 2020

University of North Texas

Denton, TX

- Facilitate weekly friendship building activities for incoming juniors to encourage acclimation to the Texas Academy of Mathematics and Science
- Spoke with administration at monthly meetings promoting increased interaction among students.

PROJECTS

GreenHouse | *Flask, HTML/CSS, JavaScript*

May 2022

- Designed a web application for users to search and apply for jobs easily and recruiters to post job openings
- Developed using HTML/CSS with JavaScript and Flask to store accounts and relevant job information

Mock Laynes Database | *Java, PostgreSQL, Swing, AWS*

February 2022

- Designed a management system simulating restaurant inventory and ordering systems
- Developed using Java and PostgreSQL to store and perform queries on simulated restaurant orders and displaying statistics using Java Swing

Personal Website | *HTML, CSS, JavaScript*

January 2022

- Developed a personal website using HTML, CSS, and JavaScript
- Designed and developed a responsive website which displays personal information
- Deployed through Heroku and GitHub pages

Small Bites | *Google Maps API, Yelp Fusion API, HTML, CSS, ReactJS*

January 2022

- Developed a web application providing a search engine for locally owned small businesses and restaurant locations
- Developed using the MERN Stack to build a full-stack web application which retrieves data through the Google Maps API, Yelp Fusion API, and display using ReactJS

Coder Connect | *MongoDB, Node.JS, Express.JS, WebRTC, Socket.io, ReactJS*

July 2020

- Developed a web application providing students with a platform to connect with tutors and other students to get free programming help
- Developed using the MERN Stack to build a full-stack web application which users can text and video chat while programming on a live coding platform

TECHNICAL SKILLS

Languages: Java, Python, C++, SQL (Postgres), JavaScript, HTML/CSS

Frameworks: React, Node.js, Flask, Java Swing, Angular, Material-UI, Express.js

Developer Tools: Git, Docker, Ubuntu, Google Cloud Platform