

Albin Shrestha

(817) 713-6090 | shrestha_albin@yahoo.com | <https://github.com/Albisourous> | <https://www.cs.utexas.edu/~as89652/>

EDUCATION

UNIVERSITY OF TEXAS AT AUSTIN

Austin, TX

Bachelor of Science (B.S.) Computer Science (Expected graduation Dec 2021)

- **GPA:** 3.5
- **Relevant Coursework:** Data Structures, Computer Organization and Architecture, Software Engineering, Principles of Computer Systems, etc.

EXPERIENCE

FREELANCE, Fort Worth, TX

Technical Question Writer, Dec 2019 – Sep 2020

- Wrote and organized questions based on Bloom's Taxonomy of question complexity.
- Helped employees review their company required tools and platforms.
- Worked with companies to teach Salesforce, Prometheus, .NET Microservices, NUnit, Apache (Beam, Spark, etc.), Google Cloud Platform, Spring Framework, Lean Six Sigma, Product Business, etc.

PROJECTS

AEROINFO

<http://www.aeroinfo.me/>

- Built a Full Stack website using **React** and **JavaScript** that displays real-world information about the latest airlines, airports, and flights from AviationStack.com's API.
- Designed a clean and intuitive user interface with searching, sorting, and paging capabilities.
- Set up database and deployment process using **Python**, **GCP**, **Namecheap**, and **Postman**.
- Wrote a 4,500-word wiki detailing the design, implementation, and deployment of AeroInfo.me.

Office Hours Queue System

<http://officeroom.space/ta>

- Built Full Stack website displaying an ongoing queue for office hours.
- Set up **Firebase Realtime Database** allowing for instant updates to the queue system.
- Made a hidden '/ta' URL for administrative features like removing students or clearing the queue.
- Created a tagging system allowing teachers to easily determine what type of question a student has.
- Inspired changes in official office hours queue system, <https://www.utcshephours.com/>.

AmigOS

<https://gitlab.com/cs439-fall-2020/amigos-pi>

- Led a 52-person team for Operating Systems class, managed git repositories, and held team meetings.
- Developed chatroom software allowing devices using AmigOS to communicate with each other.
- Recorded a video tutorial on how to set up a **Docker** environment using VS Code.
- Converted **x86** assembly to **ARM** and got AmigOS to boot on the **Raspberry Pi**.
- Set up an **ARM**-compatible development environment through **Docker**.
- Drew an animated forest scene with code provided by the graphics team.

ADDITIONAL SKILLS

- Proficient in Java, HTML, CSS, React, JavaScript, C, C++, Python, Git Management
- Competent in x86/ARM Assembly, Unity, Unreal, GCP, AWS, Firebase, Lottie, Docker, R, z3