

Sarim Aleem

281-904-5071 | sarimaleem99@gmail.com | [linkedin.com/in/sarim-aleem](https://www.linkedin.com/in/sarim-aleem) | github.com/sarimaleem

EDUCATION

University of Texas at Austin

Bachelor of Science in Computer Science, Minor in Arabic

Austin, TX

Aug. 2020 – Dec 2023

EXPERIENCE

Software Development Intern

Adobe

- TODO

May 2023 – Aug 2023

San Jose, CA

Software Development Intern

Fujitsu Network Communications

- Developed web client in Java Spring to migrate network element data to CPS database from MongoDB
- Created CPS database schema to store NETCONF/RESTCONF data in YANG
- Configured network bridge in Docker files to enable cross-communication between 15+ microservices
- Migrated southbound interface from direct drivers to a software defined network controller
- Wrote bash scripts to automate container deployment and test REST endpoints

Jun 2022 – Aug 2022

Dallas, TX

Teaching Assistant

University of Texas at Austin

- TODO

Aug 2022 – Dec 2022

Austin, TX

Research Intern

Baylor College of Medicine

- Built computer vision model in C++ to analyze mice pupil dilation size, 50x faster than deep learning model
- Programmed Tkinter GUI to edit audio files based on signal patterns and spectrogram
- Developed Python library to analyze and visualize pupil dilation of mice using Pandas and Matplotlib

Jan 2021 – Aug 2021

Houston, TX

PROJECTS

Fluid Simulator | C++, OpenGL

- TODO

Ray tracer | C++

- TODO

Neural Network Transformer | Python, PyTorch

- TODO

Distributed Key-Value Store with Load Balancing | Java, Distributed Systems

- TODO

PintOS Operating System | C, Concurrency, Operating Systems

- TODO

Multiplayer Gomoku with AI | Javascript, Express, Web Sockets

- TODO

TECHNICAL SKILLS

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

Frameworks: React, Node.js, Flask, JUnit, WordPress, Material-UI, FastAPI

Developer Tools: Git, Docker, TravisCI, Google Cloud Platform, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse

Libraries: pandas, NumPy, Matplotlib

ACTIVITIES

Texas Wrestling: TODO

Central Texas Model UN: TODO

Advancing UT Technology: TODO