

PROFESSIONAL SUMMARY:

- Senior Computer Engineering major in the top 1% of the class
- Completed internships, positions, and projects, gaining experience in Web dev, React, AWS, and open source libraries
- Awarded full athletic scholarship for SMU swimming, competing in NCAA D1 meets and championships

EDUCATION:

Southern Methodist University

Bobby B. Lyle School of Engineering

Bachelor of Science in Computer Engineering, Minor in Mathematics

Dallas TX

Graduation date: May 2021

GPA: 3.94

SKILLS:

Software Programs:

C++, Python, Java, MySQL, Javascript, React, Node JS, MATLAB, Swift, Verilog

RELEVANT

Service Oriented SE, Visual Computing, OpenCV, Computer Security, OS, ML, AI, Data Bases, Data Structures,

COURSES:

Algorithms, Scientific Computing, Computer Architecture, Single & Multivariable Calculus, Linear Algebra, Statistic, Differential Equations, Mechanics & Electromagnetic & Modern Physics, Circuit & Signals Analysis, Circuit Controller

EXPERIENCE:

Full Stack Intern, The Brierley Group, Dallas, TX

Fall 2020 - Present

- Developed platform for engagement with customers through surveys and interactive activities in a web application
- Maintained the application using AWS, microservices, Docker, and Kubernetes
- Created client side through Type Script React and generalized styling for different customers using styled components

Teacher Assistant, Data Structures, Lyle School of Engineering, Southern Methodist University, Dallas, TX

Spring 2020 - Present

- Ran a weekly lab session explaining data structures and assisting group projects
- Graded coding project assignments as well as exams, quizzes, and homework
- Ran a weekly help desk answering coding related questions in C++, Java and Python

App Developer Intern, AVBB, Dallas, TX (Remote)

Summer 2020

- Created an iOS app to control a camera tool via Bluetooth and serial communication
- Developed fundamental skills on Swift to fulfill design and functional requirement protocols

Research Assistant, Ben Gurion University of the Negev, Be'er Sheva, Israel

Summer 2020

- Collaborated with Biomechanical and a CS professor to develop an underwater movement analyzer
- Utilized open source library `openpose` to locate different body parts
- Created EC2 AWS server with GPU to satisfy requirements of the library and increase performance

Research Assistant, Lyle School of Engineering, Southern Methodist University, Dallas, TX

Spring-Summer 2019

- Co-authored research paper "Scan Chain Segmentation for Capture Power Reduction for Low Power Decompressed Patterns"
- Improved performance of power reduction detection test by testing in parallel servers
- Collaborated with PhD student to stay aligned on project goals and vision

PROJECTS:

Instagram-Bot

Summer 2020

- Created a python script to automate Instagram account doing likes, random comments and follows
- Wrote 800+ lines of code followed by detailed documentation and examples and posted as open source code

J-Box

Spring 2020

- Collaborated on a semester long project building a web application connecting journalists and articles buyers
- Connected the database to the client side using Node JS and SQL queries

Search Engine Project

Fall 2019

- Programmed a search engine containing 40,000 files of judicial protocol of criminal cases
- Implemented a user interface which loads the file in two different data structures: hash table and AVL tree
- Wrote over 2,000 lines of C++ code, designed a UML diagram and analysis paper regarding data structures performance

Engineering Design Project

Spring 2019

- Designated as semester-long project leader to design, build, and program a robot using Arduino
- Installed and configured sensors to measure temperature, incline, and conductivity
- Implemented infra-red and ping sensor readings to enable robust navigation throughout a course
- Wrote and tested 900+ lines of Java code to accomplish assigned tasks