

## 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

Visual Computing, OpenCV, Computer Security, OS, ML, AI, Data Bases, Data Structures, Algorithms,

## COURSES:

Scientific Computing, Computer Architecture, Single &amp; Multivariable Calculus, Linear Algebra, Statistic, Differential Equations, Mechanics &amp; Electromagnetic &amp; Modern Physics, Circuit &amp; 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 professors 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