

Val Robichaux

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EDUCATION

Texas A&M University, College Station, Texas

Degree: Computer Engineering

Expected Graduation: December 2021

Relevant Coursework: Data Structures and Algorithms, Discrete Structures in Computing, Electric Circuit Theory, Digital System Design

SKILLS

- Proficient in C++, python, R and Matlab, HTML, CSS, javascript
- Proficient in LTSpice implementations for circuit development using virtual circuit design testing
- Skilled with Xilinx and Vivado and their implementation to program various circuits
- Skilled in implementing important data structures and algorithms such as hash tables, Dijkstra's shortest path, and sorting algorithms

RELEVANT PROJECTS

Interprocess Communication Mechanisms

- Organized and developed a series of message que's using FIFO data pipes in order to communicate between a client side and server side to deliver information about medical patients.
- Implemented the use of semaphores and mutexes in order to implement process synchronization and multiprocessing

The Server Moved out

- Fully implemented TCP connections to the server for the previous project using multi-threading.

ORGANIZATIONS

Aggie Club of Engineers

September 2018 - Current

Personal Relations Committee

- Organized and planned events for fellow electrical and computer engineering students in an effort to share knowledge about different engineering disciplines.
- Held leadership panels with executives from leading tech firms like Apple and various burgeoning technology startups.
- Planned relevant networking events for 90 other organization members in an effort to foster mentorship and network building.

Freshman Leaders in Progress

August 2017 – May 2018

Leadership Development Committee

- Participated in leadership activities with 56 other college freshmen such as fundraising for under-funded schools, volunteering at the Mosaic Home for disabled adults, and facilitating after-school extracurricular activities at a local elementary school.
- Facilitated weekly meetings through collaboration with 7 committee members to gather information and develop presentations and speeches, ensuring members were informed of upcoming events.

LEADERSHIP

Texas A&M Fish Camp

2018 - August 2018

Counselor

- Lead and provided guidance for 97 members of the freshmen class through Texas A&M's four-day orientation program.
- Mentored 14 college freshmen throughout the college transition process alongside co-counselor.

May

Louisiana Boys State (LABS)

May

2017 - August 2017

Junior Counselor

- Lead 60 high school juniors through the creation of a mock government, encouraging the development of leadership and collaborative strategies while maintaining a synergistic and up-beat environment.
- Facilitated mock government processes; aided attendees in developing political strategies, written materials, and presentations.
- Collaborated with fellow Junior Counselors and their respective assigned groups.

EXPERIENCE**Claus & Claus**, Baton Rouge, LA

May

2017 - August 2017

Repairman

- Tended to clients in a group of 3 local apartments; completed various work orders put in by residents including power washing, exterior/interior painting, mounting, and overall up-keep of the complex.