

Alexander Gonzalez

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EDUCATION

Texas State University – San Marcos, TX
Bachelor of Science in Computer Science

Graduation Date: December 2019

RELATED WORK EXPERIENCE

Full Stack Developer

November 2018 - Present

KTSW 89.9 at Texas State University – San Marcos, Texas

- Define, develop, and create the best processes to streamline the production parts of the team.
- Implement web platform updates, coding, test plans, and content changes.
- Utilized a MERN (MongoDB, ExpressJS, ReactJS, NodeJS) stack to develop a new web application.
- Lead, manage, and motivate a small team of UI/UX Designers and a Front End Developer.

Computer Help Desk Technician

University of North Texas – Denton, Texas

August 2017 – December 2017

- Organized, collaborated with different teams
- Diagnosed, troubleshoot, resolved range of hardware, software, and network issues
- Kept records of repairs and fixes for future reference

PERSONAL PROJECTS

Terminal Simulator, C

- Terminal simulator that could take a system call(s) from the command line and execute them.
- Utilized: using pipes, forking processes, and I/O redirection.

Sentiment Analysis of Tweets, Java

- A Java application that predicts the Sentiment of a Tweet based on the text in the tweet.
- Utilized: Array Lists, Machine Learning Library. GUI implemented using the Swing Framework.

Radio Live Stream Web Application, Full Stack Web Application

- Developed a web application that allows users to easily tune into KTSW's radio broadcast.
- Implemented unique data manipulation that allows the web application to load and display the current song.
- Utilized: Python, NodeJS, ReactJs, HTML, CSS

Dissassembler, Python

- Implemented an application that read a binary file containing an ARM program in machine code and generated the assembly code associated for the given ARM program.
- Developed using list that stored the binary and various helper function that would parse the binary file dependent on the format that was being translated.

COURSEWORK

- Software Engineering
- Object-Oriented Design and Programming
- Data Structures and Algorithms
- Internet Software Development

TECHNICAL SKILLS

- Programming Languages: C/C++, Java, Javascript, Python, Bash/Shell Scripting, HTML/CSS
- Version Control: Git, Github
- Working knowledge of Agile development, Linux/Unix Environments