

Education

University of Texas at Austin

PURSuing B.S. IN COMPUTER SCIENCE

- Relevant Coursework: Operating Systems, Computer Architecture, Data Structures, Statistics, Matrices

GPA: 3.97

Aug. 2018 - Exp. May 2021

Work Experience

NCR

SOFTWARE DEVELOPMENT INTERN

- Rewrote legacy back-end API of application (Aloha) used by thousands of restaurant managers across the US
- Upgraded API to .NET Core from .NET Framework, and deployed application to Linux Docker running in Azure for better performance
- Ran automated tests using Gatling on API calls such as logging in and executing stored procedures on restaurant databases

Dallas, TX

May. 2019 - Aug. 2019

HomeAway

DATA ANNOTATOR

- Annotated data and worked with text-based natural language processing
- Contributed to team of full time employees with data prep and sequence to a sequence machine learning model

Austin, TX

Jan. 2019 - Jul. 2019

Applied Research Laboratories

SCIENCE AND ENGINEERING APPRENTICE

- Implemented a PostgreSQL database using normalization techniques for the Space and Geophysics Laboratory's inventory
- Created data analysis tools using queries and views to make the previously cumbersome inventory system easy to use
- Automated '.hdf5' system log file generation and parsing for real-time database inserts using C++ and Python

Austin, TX

Jun. 2018 - Aug. 2018

Projects

Predicting Stocks using Twitter Sentiments | Python (scikit-learn), Twitter API

- Utilized sentiment analysis from thousands of tweets to correlate the public opinion of a company with their stock prices
- Used a neural network to make predictions, (still a work in progress)

Sep. 2019

Portfolio Website | React JS, Bootstrap, Github API

- Personal portfolio website that I created using React and Bootstrap
- Includes API calls to github that dynamically generates a display of my pinned repositories

Aug. 2019

Huffman Compression GUI and Backend | Java, Swing

- Bit level encoding algorithm with the ability to compress all file types
- Implements a Huffman Tree and a priority queue

May. 2019

Measuring Repetition in Speeches using LZW | Python, RStudio

- Analysis of how repetition has increased over time in US presidential speeches
- Implemented the Lempel-Ziv-Welch compression algorithm in order to measure repetition of words and phrases

May. 2018

UTLaundry | Android Studio, Firebase, Microsoft Vision API

- Android application which displays the availability of washer/dryers in the residence halls
- Updates laundry status through vision API which detects how much time is left with each machine, completed at HackTX

Oct. 2018

Skills

PROGRAMMING LANGUAGES

- Python (numpy, scikit-learn, pandas), Java, C++, C#, Scala, SQL, x86, R

WEB/MOBILE DEVELOPMENT

- Android Studio, React JS, HTML, Bootstrap, Git, LaTeX, .NET, Azure, Firebase

Extracurricular Activities

Association for Computing Machinery at UT Austin (ACM)

MEMBER

- Focused on the advancement of computer science studies and research through events that serve its members and the community

Austin, TX

Aug. 2018 - PRESENT

Information & Systems Security Society (ISSS)

MEMBER

- Gained experience in cybersecurity through competing in CTFs every other Friday in addition to lectures and workshops

Austin, TX

Aug. 2018 - PRESENT