

Education

University of Texas at Austin

FRESHMAN PURSUING B.S. IN COMPUTER SCIENCE AND MATHEMATICS

- Relevant Coursework: Computer Architecture, Data Structures, Discrete Math, Vector Calculus, Statistics, Matrices

GPA: 3.94

Aug. 2018 - Exp. May 2022

Work Experience

HomeAway

DATA ANNOTATOR (PART TIME)

- 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 - Present

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, final project poster can be found on [github](#)

Austin, TX

Jun. 2018 - Aug. 2018

City of Austin IT Department (CTM)

SUMMER INTERN

- Led team of other interns in development of an Android application (Asyst) related to elderly care
- Application connected citizens desiring a source of extra income with senior citizens in need of safe transportation and technical assistance
- Utilized Android Studio (Java and XML) in order to develop application as well as Firebase for the back-end, project video on [youtube](#)

Austin, TX

Jun. 2016 - Jul. 2016

Kynplex (Startup)

INTERN

- Collected and compiled data on hundreds of college research laboratories around the country
- Used Microsoft Excel automation to quickly organize information in the desired format

Worked Remotely

Mar. 2016 - May 2016

Projects

Observing Repetition in Speeches Over Time Using the Lempel-Ziv-Welch Algorithm

- Used Python and RStudio to analyze how repetition has increased over time in US presidential speeches, write-up found on [github](#)

May. 2018

UTLaundry

- Used Android Studio and Firebase to create an Android application which displays the availability of washer/dryers in the residence halls, project was done in HackTX

Oct. 2018

Honors & Awards

- 2017 **Nationals 1st Place: Hovercraft**, Science Olympiad Nationals
- 2017 **High School Aerospace Scholar**, NASA (Johnson Space Center)
- 2018 **Platinum Division**, CyberPatriot

Wright State, OH

Houston, TX

Austin, TX

Skills

WORKING KNOWLEDGE

- Python (numpy, sklearn, pandas), Java, C++, C, Android Studio, Git, \LaTeX , PostgreSQL, HTML, Linux

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