Allyson King

Undergraduate Student at Texas A&M University

Education

Aug 2017 -

Texas A&M University, B.S. Computer Science

present

- Expected to graduate in May 2021
- · Currently hold 3.97 GPA

Aug 2017 -May 2020

Texas A&M University, B.S. Statistics

- · Graduated summa cum laude with 3.97 GPA
- Minored in mathematics

Experience

May 2020 -Jul 2020

Technology Development Program Intern

- · Worked with the Video & Machine Learning research group to develop two user surveys to measure the interest of short video content and the efficacy of video trimming algorithms
- Writing a research paper to submit to the ACM-IUI conference in April 2021
- · Created a software solution providing audio, video, emotion, and transcript metrics to aid teachers in understanding classroom engagement

Jan 2020 -

Student Researcher

May 2020

Texas A&M Transportation Institute

- Developed a web app to display the live locations of bike-share vehicles on Texas A&M's campus, identify when vehicles are incorrectly distributed across parking stations, and alert the appropriate personnel to take action
- Set up and analyzed Wejo connected car data in the cloud using AWS (S3 and Athena) and Microsoft Azure (Data Lake Storage and Databricks)

May 2019 -

Technical Consultant Intern

Aug 2019

Infor

- Customized the Global Human Resources and CloudSuite Financials platforms to fit customer needs
- · Aided with the development, design, and documentation of internal initiatives

Activities

May 2019 present

TAMU Datathon

Vice President

- Determine sponsorship tiers and contact 100+ corporations seeking event sponsorship
- Maintain our social media platforms which reach 2000+ followers
- Handle inflow of \$50,000+ in donations, budget, and make purchases for the event
- Inform our 2000+ applicants about event details and respond to any inquiry
- · Coordinate participants, sponsors, volunteers, mentors, and professors prior to and on the day of the event
- Teach a natural language processing and intro to statistics course

Aug 2017 -

Sigma Phi Lambda

May 2020

- Handle a \$50,000+ budget, collect dues, and make payments for the 2019-2020 school year
- Organize and participate in a weekly chapter meeting for 300+ members
- Serve the community via monthly service projects and hold events to raise money for our philanthropy, World Vision

May 2018 -

Study Abroad

Jun 2018

Student

Treasurer

- Participated in the Texas A&M Mathematics in France study abroad program
- Took advanced calculus at the Université de Franche-Comte in Besancon, France
- · Strengthened conversational French language skills

Projects

Bank Product Recommendation (2020)

- Statistics capstone project under the guidance of Dr. Huyian Sang during Spring 2020
- Used random forest classification and XGBoost models to predict new product purchases based off of customer features and past purchasing behavior

Flight Delay Prediction (2020)

- Won 1st place in the undergraduate division of the TAMIDS Data Science Competition in April 2020
- · Tasked with developing a predictive model for flight delays across the United States based off of features such as airport, airline, flight time, and day of w

Improved Bike Share Routing (2020)

- Won 2nd place overall at TAMUhack in February 2020
- Built a web app to enhance VeoRide user bike routing by integrating live VeoRide bike data with the Google Maps AP

Airline Stock Price Prediction (2019)

- Participated in research under the guidance of Dr. Alan Dabney and Dr. Moumita Karmakar during Spring 2019
- · Used simple linear regression as a predictive model for the percent change in daily airline stock prices based on attributes such as the S&P 500 Index, S&P 500 Transportation Index, and price of fuel

Personal Info

E-mail

allysonmking@tamu.edu

LinkedIn

linkedin.com/in/allysonmking

Test Scores

GRE: 329 (167 Quantitative, 162 Verbal)

ACT: 36 (35 English & Math, 36 Reading & Science)

SAT: 2270 (800 Math, 750 Writing, 720 Reading)

Awards

Craig & Galen Brown Foundation Scholar

Presidential Endowed Scholar

National Merit Finalist

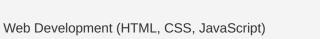
National AP Scholar

Technology

Data Science (Python, R, SQL)



Software Programming (C++, Java)



Cloud Computing (AWS, Azure)



Graphic Design (Illustrator, Photoshop)

