

Allyson King

Undergraduate Student at Texas A&M University

Education

Aug 2017 - present	Texas A&M University, B.S. Computer Science <ul style="list-style-type: none">Expected to graduate in May 2021Currently hold 3.97 GPA
Aug 2017 - May 2020	Texas A&M University, B.S. Statistics <ul style="list-style-type: none">Graduated summa cum laude with 3.97 GPAMinored in mathematics

Experience

May 2020 - Jul 2020	Technology Development Program Intern <i>AT&T</i> <ul style="list-style-type: none">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 algorithmsWriting a research paper to submit to the ACM-IUI conference in April 2021Created a software solution providing audio, video, emotion, and transcript metrics to aid teachers in understanding classroom engagement
Jan 2020 - May 2020	Student Researcher <i>Texas A&M Transportation Institute</i> <ul style="list-style-type: none">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 actionSet 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 - Aug 2019	Technical Consultant Intern <i>Infor</i> <ul style="list-style-type: none">Customized the Global Human Resources and CloudSuite Financials platforms to fit customer needsAided with the development, design, and documentation of internal initiatives

Activities

May 2019 - present	TAMU Datathon <i>Vice President</i> <ul style="list-style-type: none">Determine sponsorship tiers and contact 100+ corporations seeking event sponsorshipMaintain our social media platforms which reach 2000+ followersHandle inflow of \$50,000+ in donations, budget, and make purchases for the eventInform our 2000+ applicants about event details and respond to any inquiryCoordinate participants, sponsors, volunteers, mentors, and professors prior to and on the day of the eventTeach a natural language processing and intro to statistics course
Aug 2017 - May 2020	Sigma Phi Lambda <i>Treasurer</i> <ul style="list-style-type: none">Handle a \$50,000+ budget, collect dues, and make payments for the 2019-2020 school yearOrganize and participate in a weekly chapter meeting for 300+ membersServe the community via monthly service projects and hold events to raise money for our philanthropy, World Vision
May 2018 - Jun 2018	Study Abroad <i>Student</i> <ul style="list-style-type: none">Participated in the Texas A&M Mathematics in France study abroad programTook advanced calculus at the Université de Franche-Comte in Besancon, FranceStrengthened conversational French language skills

Projects

Bank Product Recommendation (2020) <ul style="list-style-type: none">Statistics capstone project under the guidance of Dr. Huyian Sang during Spring 2020Used random forest classification and XGBoost models to predict new product purchases based off of customer features and past purchasing behavior
Flight Delay Prediction (2020) <ul style="list-style-type: none">Won 1st place in the undergraduate division of the TAMIDS Data Science Competition in April 2020Tasked 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) <ul style="list-style-type: none">Won 2nd place overall at TAMUhack in February 2020Built 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) <ul style="list-style-type: none">Participated in research under the guidance of Dr. Alan Dabney and Dr. Moumita Karmakar during Spring 2019Used 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

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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)	<div><div></div><div></div><div></div><div></div><div></div></div>
Software Programming (C++, Java)	<div><div></div><div></div><div></div><div></div><div></div></div>
Web Development (HTML, CSS, JavaScript)	<div><div></div><div></div><div></div><div></div><div></div></div>
Cloud Computing (AWS, Azure)	<div><div></div><div></div><div></div><div></div><div></div></div>
Graphic Design (Illustrator, Photoshop)	<div><div></div><div></div><div></div><div></div><div></div></div>