
Education

Georgia Tech Professional Education

Online Masters of Science in Analytics – Analytical Tools Track
3.80 GPA

Expected Aug 2024

Georgia Tech College of Sciences

Major in Mathematics – Concentration in Probability and Statistics
Dean's List 2016-2020

Graduated Dec 2020

Cultural Experiences Abroad

Studied Spanish and Photography in Barcelona

June 2018 – Aug 2018

Projects

Mountain Project Web Scraper and Text Analysis

Scraped route and area data from mountainproject.com with Beautiful Soup and Selenium into a MySQL database. Assign tags with natural language processing.

Aug 2022 – Today

Homeownership Rate Time Series Analysis

Group project. Checked if economic variables could help predict an anomalous spike in homeownership rate. Compared the prediction performance of various time series models.

Aug 2022 – Dec 2022

Heat Wave Research

Gathered and cleaned weather data. Calculated nationwide daily heat index from 1979 to 2019. Generated plots to identify areas at risk to heat waves.

Aug 2019 – Dec 2019

WxChallenge Competitor

Created and maintained a regression model to forecast the weather at given city. Placed 2nd for junior and senior undergraduates and 9th overall out of 1,300 contestants.

Aug 2018 – May 2020

Weather Model Comparison

Compared the prediction performance of two numerical models (NAM and GFS) in Georgia.

May 2019

Skills

Data Analysis

Data Scraping, Data Preparation, Data Visualization, Scalable Computing, Classification, Regression, Time-Series Models, Probability Models, Optimization, Simulation, Tree-based Models, Change Detection, Design of Experiments, Text Analysis, Business Analytics

Data Tools

Python, R, SQL, Git, Tableau, HTML, CSS, JavaScript, D3, Java, MATLAB

Mathematics

Probabilities, Information Theory, Numerical Analysis, Mathematical Proofs, Combinatorics, Multivariable Calculus, Linear Algebra, Complex Analysis, Partial Differential Equations

Miscellaneous

Microsoft Office, Giving Presentations, Micro Economics, Synoptic Meteorology

Work Experience

Cashier/Waiter at Wildflour in Alpharetta, GA

Switched between working the register and serving customers depending on the demands.

June 2016 – Aug 2016

Extracurricular

Rock Climbing

Taught club members the skills to safely lead climb outdoors. Systematically helped club members overcome fear of falling. Lead club workouts and organized climbing trips.

Aviation

Certified private pilot. Can communicate effectively at the 2nd busiest airport in Georgia.