

MICHAEL GRANTHAM

(Web Resume)

Contact via LinkedIn

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Technical Skills

Python	R	JavaScript	MySQL	Linux
Plotly	PHP	C++	MATLAB	Microsoft Excel

Education

Texas A&M University August 2018 – May 2022

Bachelor of Science Applied Mathematics (Magna Cum Laude). Coursework included Probability Theory, Regression Analysis, Numerical Analysis, Econometrics, Interest Theory, Black-Scholes Analysis, and Real Analysis. Cumulative GPA of 3.86.

Completed directed study program and presented a talk about Chaotic Dynamical Systems, a topic not taught in any undergraduate course at Texas A&M.

Projects

Data Analysis: Point Pleasant Borough First Aid Squad July 2022

Conducted statistical analysis of data from 11,458 EMS calls to provide the Point Pleasant Borough First Aid Squad, a volunteer agency, insights and recommendations. Data analysis conducted in R and data visualization built with plotly in JavaScript.

GeoCloud: Cloud Based Mapping and Data Collection Application 2017-2018

Built fully featured web application using JavaScript, PHP, MySQL. Wrote front end application, web service, and SQL stored procedures. Project awarded the Intel Excellence in Computer Science Award and the Yale Science and Engineering Association most outstanding award.

Experience

Second Lieutenant, US Army Reserve May 2022 - Present

Platoon Leader. Plans and executes individual soldier training and collective training for 30 soldiers. Responsible for the health, welfare, and development of assigned soldiers. Coordinates with higher level command and peers to ensure mission success.

Cadet, US Army Reserve September 2018 – May 2022

Managed readiness metrics and was critical to maintaining continuity during interim periods without assigned officers for 50 soldiers. Spearheaded implementation of new Combat Fitness Test for over 100 soldiers.

Cadet, US Army ROTC / Texas A&M Corps of Cadets August 2018 – May 2022

As First Sergeant and then Commander of Company I-1, Texas A&M Corps of Cadets, propelled unit from average academic performance to having the highest academic performance of all 45 cadet units.

Excelled at Summer Training in 2021, ranking in top 15% among peers and achieving highest grade.