

Graham M. Patton

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Raleigh, NC

EDUCATION

The UNIVERSITY OF NORTH CAROLINA at Chapel Hill

May 2022

Economics, B.A. Major GPA 3.81

- **Minor:** English & Comparative Literature, GPA 4.00
- Dean's List (2020-2022)

ACADEMIC QUALIFICATIONS

DATA (Data|Acumen|Theory|Application) **Science Credential in Economics**

May 2022

- Experience in combining data skills (collecting, scraping, cleaning, merging, processing, and visualizing data, descriptive and econometric analysis, optimization, and supervised/unsupervised statistical learning) with the foundational knowledge of economics to frame and solve economic questions using real data

TECHNICAL SKILLS

JavaScript, TypeScript, Node.js, Express, React.js, Angular, MongoDB, SQL, ORM, Git

- Developed full-stack MERN applications with object-oriented programming principles for clients and projects using best practices
- Experienced in implementing CI/CD pipelines to smooth workflow and facilitate testing
- Built semantically structured static and CRUD applications to client and professional specifications

R Programming and Analytics

- Collaborated with team members to write a research thesis in which we refuted the viability of economic variables' predictive power on health outcomes, based on survey data and prior academic research
- Implemented data visualization strategies using ggplot2, caret and dplyr to exceed academic expectations for 8+ algorithms in the CPS data project
- Used dplyr and data.table to effectively trim and data mine CPS survey data of 60,000 households

Python Programming

- Utilized various libraries like pandas, NumPy, and Matplotlib to create visualizations and effectively represent datasets
- Cleaned and analyzed big data on international oil production to academic specifications

WORK EXPERIENCE

100 Devs – Remote

January 2022-Present

Software Engineer

- Collaborated with teams of developers to design and build responsive web applications using agile methodology
- Created and maintained APIs and MongoDB databases during back-end development
- Learned multiple languages and frameworks quickly to resolve complex coding challenges with MVC architecture

FREELANCE WEB DESIGN

January 2021-Present

Software Engineer

- Utilizing JavaScript, HTML and CSS, built custom applications to create and design a client's online presence
- Created design mock-ups using Figma to pitch to clients then replicated approved designs in production code
- Provided services including single-time delivery or ongoing technical support and maintenance to clientele

BARCELONA WINE BAR – Raleigh, NC

2017-2020

Bartender

- Utilized skills in both teamwork and leadership to efficiently multitask requests and tasks under heavy time constraints
- Consistent and accurate in data entry, payment processing, and till reconciliation for sales over \$30,000 per day
- Maintained flexibility and organization while supporting staff and delivering upon product demands
- Increased customer satisfaction by building and maintaining rapport which resulted in frequent and positive online reviews

ADDITIONAL INFORMATION

- **Relevant Classes:** R Programming, Python Programming, Big Data, and Machine Learning, Econometrics, Statistics, Web Design, Digital Culture, and Algorithmic Ethics
- **Travel:** Korea, England, France, Spain, Italy, Costa Rica, Jamaica, Turks and Caicos, Dominican Republic, U.S. Virgin Islands
- **Interests:** Personal Investing, Golf, Weightlifting, Skiing