

# 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, Redux, Pug, MongoDB, SQL, PostgreSQL, ORM, Git, CSS, HTML**

- Developed full-stack web applications including MERN applications with object-oriented programming principles for clients and projects using best practices
- Utilized Web and RESTful APIs while creating web applications with CI/CD pipelines
- Built semantically structured static and CRUD applications to client and professional specifications

**R Programming and Analytics**

- Regularly utilized 15+ supervised and unsupervised machine learning algorithms to train and test models to classify, model, and predict outcomes using CPS big data alongside various databases
- Collaborated with team members to write a research thesis in which we assessed the viability of health outcome predictors based on survey data and prior academic research
- Used numerous libraries to integrate databases and analyze big data in research settings to

**Python Programming, MATLAB, NumPy, Panda**

- Utilized multiple Python libraries to conduct data manipulation and analytics on big data
- Aided the systematic organization and catalog of genome data with the RENFRI institute to supplement Java applications

## 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 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*

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

**BARCELONA WINE BAR – Raleigh, NC**

2017-2020

*Bartender*

- Developed skills in both teamwork and leadership while efficiently multitasking 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 and client requests

## ADDITIONAL INFORMATION

- **Relevant Classes:** R Programming, Python Programming, Big Data, and Machine Learning, Econometrics, 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