

# Graham M. Patton

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Raleigh, NC

## EDUCATION

### UNIVERSITY OF NORTH CAROLINA at Chapel Hill

May 2022

**Economics, B.A.** Major GPA 3.81

- **Minor:** English & Comparative Literature, Minor 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 foundational knowledge of economics to frame and solve economic questions using real data

## TECHNICAL SKILLS

### JavaScript, Node.js, Git, React.js, CSS, HTML, jQuery, MongoDB, PostgreSQL

- Full stack development: independently developed MERN (MongoDB, Express, React.js, Node.js) web applications
- Utilized Web and RESTful API's while creating web applications with an object orientated language
- Completed 120+ coding challenges on Codewars.com in JavaScript
- Created semantically structured static and CRUD applications to both client and academic specifications

### R Programming for Machine learning

- Regularly utilized 15+ supervised and unsupervised machine learning algorithms to train and test models in order to classify and predict outcomes using CPS big-data
- Collaborated with team members to write a research thesis in which we assessed the viability of health outcome predictions based upon survey data and prior academic research
- Cleaned data sets with 500,000+ observations and hundreds of variables to streamline analysis and interpretation

### Python Programming and Analytics

- Familiarity and knowledge of Python's MATLAB, NumPy and Panda libraries and their applications to data science
- Wrote programs to systematically organize and catalog genome data for the RENFRI institute
- Used API's to scrape, clean, then apply machine learning algorithms to big data.

### RESILIENT CODERS – Remote

January 2022-Present

*Software Engineer*

- Collaborated with teams of developers to design and build responsive web applications using agile methodology
- Built 25+ semantically structures and responsive web applications for mobile and desktop devices
- Gained familiarity and experience with object-oriented programming and its application to web development
- Learned multiple languages and frameworks quickly to resolve complex coding challenges

### FREELANCE WEB DESIGN

January 2021-Present

- Used various technologies to build static websites to client specifications
- Created mock-ups for clients while working alongside a designer to pitch clients, then replicate agreed upon designs
- Provided services including single time delivery or ongoing technical support and maintenance to clientele

### BARCELONA WINE BAR – Raleigh, NC

2017-2020

*Bartender*

- Developed skills in both teamwork and leadership while successfully multitasking to anticipate and deliver upon client needs in heavy time constraints
- Consistent and accurate in data entry, payment processing and till reconciliation for sales of over \$30,000 a day
- Established strong interpersonal relationships with clientele in long-term customer relationships

## ADDITIONAL INFORMATION

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