

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

- 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, 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