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, Pug, MongoDB, PostgreSQL, Git, CSS, HTML
- Full stack development: independently developed MERN applications with procedural and object-oriented programming
- Utilized Web and RESTful APIs while creating web applications with CI/CD methodology
- Created 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

Python Programming and Analytics
- Familiarity and knowledge of Python's MATLAB, NumPy, and Panda libraries in data manipulation and analytics
- Aided the systematic organization and catalog of genome data with the RENFRI institute to supplement Java applications

WORK EXPERIENCE

100 Dev's – 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
- Used various technologies to build static websites to client specifications
- Created design mock-ups to pitch to clients then replicate approved designs in web applications
- 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 efficiently multitasking under heavy time constraints
- Consistent and accurate in data entry, payment processing, and till reconciliation for sales in excess of $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