Graham M. Patton

graham.m.patton@gmail.com
www.linkedin.com/in/graham-patton
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

- Designed RPC 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
- Used MongoDB and PostgreSQL database mechanisms to implement back-end services for web applications

R Programming for Machine learning

- 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.

RESILIANT 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
- Used Bootstrap, CSS Grid and Flexbox to build static websites to client specifications

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

SOUTHERN HARVEST CATERING – Durham, NC 2016-2018
Bar Management, Event Coordination, Bartender, On-Site Event Work

- Gained leadership experience of internal teams, and improved upon organizational and planning skills
- Supervised set up and deconstruction of equipment to specifications set by clientele and venue management
- Met with distribution representatives to aid in customer education and planning for single events valued over $40,000

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