Matthew O'Neill

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Portfolio: https://github.com/mjoneill88?tab=repositories
336-409-1855

Recent Masters of Science in Computer Science graduate looking for opportunities in web development, data science, and programming. I have experience in a number of distinct computer science disciplines, including web development with Django and Spring Boot, app building in Android Studio, database management with SQL, machine learning and model building with Pandas, and programming in four languages.

TECHNICAL SKILLS

Programming/Scripting Languages: (Proficient) Java, Python, C; (Familiar) SQL, Clojure, C++
Frameworks and Tools: Django, Spring Boot, Pandas, Android Studio, Linux, Git

EDUCATION

University of North Carolina at Charlotte, Charlotte, NC
Master of Science, Computer Science, GPA of 3.5, January 2021
> Selected Coursework: Algorithms & Data Structures (ITCS 6114), Computer Communication and Networks (ITCS 6166), Machine Learning (ITCS 6156), Intelligent Systems (ITCS 6150), Mobile Application Development (ITCS 5180), Software System Design and Implementation (ITCS 6112), Database Systems (ITCS 6160), Knowledge Discovery in Databases (ITCS 6162), Visual Analytics (ITCS 5122), Survey of Programming Languages (ITCS 5102)

University of North Carolina at Charlotte, Charlotte, NC
Undergraduate Prerequisite Classes in Computer Science, 2018-2019

Iron Yard Coding Bootcamp, Durham, NC
Data Science with Python Certificate, 2016
> A 12-week intensive coding boot camp that focused on Python, data science, and web development in the Django framework

University of North Carolina at Chapel Hill, Chapel Hill, NC
BA Anthropology, minors in Biology and Spanish, Honors Grad with 3.35 GPA, 2012
> *Honors Thesis* - Scientific thesis focused on analyzing correlations between blood levels of C-Reactive Protein, an indicator of inflammation, and various body measurements (e.g., height and BMI) in a population of children from Yakutia, Russia, in order to determine why this population has such poor cardiovascular health.

University of North Carolina at Chapel Hill, Chapel Hill, NC
Undergraduate Research 2010
> Project focused on the development of gut microbiomes in infants born at UNC hospital. Classified bacteria and comprehensively analyzed data and results in STATA.

EXPERIENCE

Carolina Foot Care Associates, Statesville, NC
Medical Assistant - 2017-2018
> Assisted physician in clinical and clerical roles: x-rays, wound bandaging, suture removal, injections, record keeping, Etc.

Duke University, Durham, North Carolina
Evolutionary Anthropology Research Assistant in the Wall Lab - 2014-2017
> Worked on a project analyzing the metabolic cost of feeding in various lemur species. Using flow respirometry, I measured oxygen consumption to get second by second data on how many calories were expended while eating different foods. I then analyzed the data in STATA and reported statistical results.

National Evolutionary Synthesis Center, Durham, NC
Research Assistant - 2015-2016
> Overseen by Dr. Jennifer Verdolin, worked on a project investigating behavioral variation in grey mouse lemurs in order to lay the foundations for using the mouse lemur as a model organism for Alzheimer's research. I videotaped trials, coded videos, analyzed data, and reported statistical results.

Duke Lemur Center, Durham, NC
Data Science Internship 2013
> Investigated reproductive cycling in the aye aye lemur species, then presented results at an annual symposium in Duke University's Evolutionary Anthropology Department

PERSONAL

I enjoy volunteering with ESL tutoring in the Latino community of the Chapel Hill area, using my Spanish ability to teach recent immigrants English. I am also an avid tennis player and kayaker. I competed on the UNCC Club Tennis team while receiving my masters. I enjoy playing tennis with my fellow UNCC Club Tennis alumni and going kayaking on Lake Norman.