Matthew O'Neill

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Junior Software Developer

OBJECTIVE

Junior software developer looking for opportunities in programming, data science or web development that can leverage my analytical background in evolutionary biology and collaborative problem solving skills.

SKILLS

Python	Django
Data Science	Scikit-Learn
Django REST	Pandas
HTML	CSS

WORK EXPERIENCE

Duke University, Durham, NC — *Research Assistant*

2014-2016

Research Assistant in Christine Wall's functional morphology lab in the Evolutionary Anthropology department. Predominately worked on a project linking the metabolic cost of feeding, measured via closed respirometry, to body movements. Responsibilities included coding videos and analyzing data.

National Evolutionary Synthesis Center, Durham, NC — *Research Assistant*

2015-2016

Research Assistant on a project focusing on behavioral variation in grey mouse lemurs. Responsibilities included videotaping trials, coding videos, and analyzing data. Overseen by Dr. Jennifer Verdolin, PhD.

Duke Lemur Center Data Science Internship, Durham, NC

2013

Summer internship through The Duke Lemur Center where I worked on a project investigating reproductive cycling in the lemur species the Aye aye where I learned valuable analytics tools working with JMP, Excel, and Microsoft Word

EDUCATION

Iron Yard Coding Bootcamp-Data Science with Python, Durham, NC

2016

A 12 week intensive coding boot camp that focused on python, data science, and web development with the Django framework

University of North Carolina at Chapel Hill

2009-2012

BA Anthropology, minors in Biology and Spanish, Honors Grad with 3.35 GPA.

Honors Thesis - Scientific thesis looking into correlations between blood levels of C-Reactive Protein, an indicator of inflammation, and various body measurements such as height and BMI in a population of children from Yakutia, Russia, in order to determine why this population has such poor cardiovascular health

Wake Technical Community College, Raleigh, NC

2016

Introduction to Programming in Logic taught in python, Grade A+

Undergraduate Research, UNC-Chapel Hill

2010

Project on the development of stable gut microbial community in infants born at UNC hospital.
Overseen by Dr. Amanda Thompson in Anthropology department.
Responsibilities included classifying bacteria and analyzing data in STATA