Brad Bailey

bradjbailey18@gmail.com (904) 401-0455

LinkedIn: https://www.linkedin.com/in/brad-j-bailey/ GitHub: https://github.com/bradjbailey

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Education

Masters in Computer Science - University of Oregon — GPA: 4.00 | Ongoing

Masters in Economics - University of Oregon — GPA: 3.35 | March 2020

B.S. in Economics - Florida State University — GPA: 3.41 | May 2018

Skills

Languages: C, Python, R, HTML, PHP

Databases: MySQL

OS: Windows, Linux

Environments: Jupyter, Anaconda, RStudio, STATA, MATLAB

Experience

Graduate Teaching Fellow, University of Oregon — January 2020 - Present

Instructor for labs of CIS 110: Web Development with HTML and CSS

Grader for Economics courses — October 2019 - March 2020

Order Fulfillment Associate, The Home Depot — April 2020 - Present

As a member of the order fulfillment team, worked in a fast paced environment to ensure timely and accurate delivery of product. Built real-world experience, fostering skills in communication, multi-tasking, and organization. Exposure to retail and sales on the ground level as a foundation for intuition in model building and predictive analytics in the future.

Private Tutor — Oct 2019 - March 2020

Acquired and managed relationships with struggling students to achieve improved course outcomes in a variety of courses and settings. Scheduled meetings, traveled to meet clientele, and drew on my extensive training in economics and mathematics to communicate fundamental ideas to students at varying levels of expertise

Server/Dishwasher, Shut Em Down A.S.R. — Summer 2018

Worked with a team in a fast paced environment to ensure quality service. Responsibilities included using POS, taking phone orders, cleaning and food prep.

Projects

NLP and the Fed: (In progress) created a machine learning architecture to analyze text data from the Federal Reserve to predict economic indicators and policy, e.g. inflation and the federal funds rate.

Web-scraping in Python: (In progress) Designed and implemented a python script to collect PDF files from an HTML website. Created a data processing pipeline to build a workable dataset from said PDFs.

Multithreading in C: Capstone project in operating systems. Built a multithreaded application using pthreads, which improved on the instructor's solution by eliminating unneeded functions.