Kevin Brito

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EDUCATION

University at Buffalo, Buffalo, NY

Bachelor of Science, Computer Science, 2022

Skidmore College, Saratoga Springs, NY

Bachelor of Science (Hons.), Health and Exercise Science (Minor: Japanese, Chemistry), 2017

SKILLS

Programming/Scripting Languages: (Proficient) Python, Ruby, Scala, JavaScript/Typescript; (Familiar) C, SQL, Java
Frameworks and tools: Pandas, React, Flask, SciKitLearn, Rails, Git, Numpy, Agile, iPyWidgets, Bqplot, Leaflet, Heroku
Soft Skills: Collaborative coding, Communication, Fluent in Spanish, Business professional in Japanese

EXPERIENCE

Full Stack Software Engineer Intern

Handshake, Remote, June 2021 – August 2021

• Increased Handshake's competitive position in the market by streamlining the prospect outreach process for employers – making it possible for all students to have one on one meetings with Handshake affiliated employers regardless of the student's relation with Handshake.
• Improved on communication and analytical techniques by designing, planning, and executing a premium Handshake feature as illustrated by a peer-approved, self-written ADR (architectural design review).
• Refined my front-end and back-end development skills with the Rails technology stack and the React library by responding to low priority and high priority tickets .

Buffalo Gentrification Project SE Intern

University at Buffalo, Buffalo, NY, May - September, 2020

• Created a mathematical/numerical definition of the occurrence of gentrification with the hopes of identifying, predicting, and preventing future gentrification-related events.
• With Python, extracted U.S. census data and Buffalo public data from their APIs to illustrate and record, within a dataframe, occurrences that suggest activities, per census block, which lead to gentrification in the area.
• Used Pandas and Seaborn to illustrate various changes in percent changes in mean tax assessment per neighborhood and median home price in each block group per tract.
• Generated a dynamic map that provides financial, demographic, and spatial data on all the Buffalo neighborhoods to be used for flagging possible occurrences of gentrification in the future.

Ethical AI Research Intern

Mozilla, Buffalo, NY, May - August 2019

• Under the Mozilla Grant I researched ethical artificial intelligence, its promises and pitfalls, how it sources and mitigates bias, and configured it as one of the main learning objectives in a first year computer science seminar.
• Used machine learning models such as logical regression and neural networking models to explore bias in data produced by artificial intelligence and illustrate results in lectures provided for incoming freshmen.

PROJECTS – *github.com/KevinBrito*

Aquatics Hiring Assessment (In Progress) – A website for University at Buffalo lifeguards as well as the conversion of an outdated hiring assessment to a modern, paperless assessment.
Buffalo UV Index and Forecast Bar Chart - A Buffalo UV index and forecast bar chart using Python. Using information from the OpenWeatherMap API making it easier for those interested in UV levels to read them.
Path-Finding Algorithm – A Scala program that finds the most efficient route towards a destination while avoiding objects and terrain deemed as impassable.
Physics Engine - A physics engine designed in Scala for use on multi-dimensional object collisions, games, and path finding.