

Julio Lopez Jr.

(719) 291-8357

JulioLopezJr45@gmail.com

Education

University of Colorado, Boulder

Aug. 2014 – May 2019

- **Major:** Computer Science B.S.
- **Coursework:** Data Structures, Algorithms, Data Science, Data Visualizations, Databases

Software Projects

GitHub: www.github.com/j-lopez

Website: www.juliolopezjr.com

Senior Project

- Worked with a team to create a full production ready web-portal for a startup inn Boulder
- Maintained unit tests and applied continuous integration to keep product functioning
- Communicated project details to people with various levels of technical knowledge

Data Visualization

- Contributed remotely to a team to create visuals using JavaScript's D3 library and Python's Matplotlib and Seaborn libraries
- Experienced cleaning large datasets using Python and Pandas toolkit

Random Walks in Biology

- Extended on a concept from class on how animals may search for food in an environment
- Applied a "smelling" algorithm that influences our agent's movement towards nearby food
- Restructured code to automate the tests and to have more control in which ones run

Employment

Pool Attendant (Seasonal)

June – Aug. 2018

- Demonstrated strong work ethic and positive interactions with guests
- Established positive relationships with co-workers and management

Physics 1110 Learning Assistant

Jan. – May 2015

- Assisted introductory students to understanding classical mechanics by creating lesson plans with both undergraduate and graduate students
- Developed my ability to communicate new concepts to those with no previous knowledge

Skills

Software: (*proficient*) Python, MySQL, Git, React, HTML/CSS (*familiar*) C++, Excel, Word, Flask

Languages: Fluent in speaking, reading, and writing English and Spanish