**Julio Lopez Jr.**

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**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](http://www.github.com/j-lopez)

**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