

Jacob Hough

Software Developer

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EXPERIENCE

YMCA of Boulder Valley, Boulder — *Youth Sports Coach*

June 2018 - PRESENT

My role at the YMCA is to teach children the value of sportsmanship and leadership. Time management is key since we run on a strict schedule for practices and games I coach a variety of different sports including soccer, lacrosse, golf, and basketball.

Interact Club, Longmont — *Vice President*

August 2016 - May 2017

In high school, I was part of a club that volunteered to help the community locally as well as internationally. My role was to oversee the everyday actions and events of the group alongside the president of the club. An example of a project we did was raise \$2,500 to build bathrooms for a school in the Philippines. We also helped the City of Longmont by holding city wide fundraisers and events in collaboration with the local Rotary Club.

EDUCATION

University of Colorado, Boulder — *Computer Science*

August 2017 - May 2021

Currently pursuing a Bachelors in Computer science with a GPA of 2.9. Related coursework: AP Computer Science, Intro to Computing, Data Structures, Systems, Software Development Methods and Tools, Discrete Structures, Calculus 1, Calculus 2.

PROJECTS

*Full list of projects on my website

@theRealShayon — *Markov Chain sentence generator*

For my Data Structures class, our final project was to create anything we wanted as long as it was centered around a data structure. My partner and I decided to create a sentence generator to try and match things our professor would say in class. We used a graph as a Markov Chain and used the weights of the graph as probabilities that a certain word would follow another word. Here's the full project: <https://github.com/Houghelpuff/theRealShayon>

SKILLS

Computing Languages:

C/C++ - Skilled

Python - Skilled

HTML5/CSS/Bootstrap - Skilled

Git - Skilled

Java/JavaScript - Limited

Along with all the languages I'm proficient in, I am familiar with the GitHub platform, with Adobe Photoshop and Lightroom, Electron.js, and the UNIX command line

LANGUAGES

American Sign Language

Resources

GitHub:

<https://github.com/Houghelpuff>

Website:

<https://github.com/Houghelpuff>