

Jacob Hough

Software Developer

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EXPERIENCE

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

June 2018 - PRESENT

Experience with time management as well as dealing with uncomfortable situations

Interact Club, Longmont — *Vice President*

August 2016 - May 2017

Experience organizing large fundraisers and allocating time to different volunteer activities

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, Computer Systems, Software Development Methods and Tools, Discrete Structures, Operating Systems, 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>

Smash Hub – *Application for Super Smash Bros Ultimate*

My friend and I attended a major hackathon (HackCU) and utilized Electron.js to make an application that stored personal data for the game as well as seeded a tournament bracket based on preferences.

<https://github.com/Houghelpuff/SmashHub?organization=Houghelpuff&organization=Houghelpuff>

SKILLS

Computing Languages:

C/C++ - Skilled

Python - Skilled

HTML5/CSS/Bootstrap - Skilled

Git - Skilled

Java/JavaScript - Skilled

SQL - Skilled

Node.js - 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://houghelpuff.github.io>

