

Jacob Hough

303.902.7142 | jacobhough2017@gmail.com

GitHub: <https://github.com/Houghelpuff>

Website: <https://houghelpuff.github.io>

Education

University of Colorado Boulder
B.A. Computer Science - GPA: 3.0

Expected Graduation: May 2021

Work Experience

Youth Sports Official/Coach - YMCA of Northern Colorado April 2018 - December 2020

- Planned games and practices for kids ages 8-14
- Refereed games
- Ran tournaments
- Communicated with parents and other admins about the state of the department

Software Developer Intern - GoGo Inflight Entertainment Summer 2020

- Selected to complete a full-time internship position with a full stack team at GoGo but the internship was cancelled due to the spread of COVID-19.
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Leadership Experience

CU Marching Band Co-Section Leader - CU Marching Band April 2020 - Present

- Co-Led the trumpet section (~45 people) in the marching band to learn music and marching fundamentals they would need in the future seasons, pioneered new ways to interact with section virtually.
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Projects

Markov Chain Sentence Generator - @theRealShayon

- Created a sentence generator based off a Markov Chain in C++ for the final project of a data structures class. Concepts of graphs and Markov Chains generated random sentences and then feed them to a Twitter bot we had setup in Python.

Group Order App - SubtheSlaw

- Group ordering app custom made to the restaurant Raising Canes built with Django in Python. I thought of this at the beginning of the pandemic to make drive through orders better managed.

Smart Calendar - SmartCal

- Worked with a team to create a calendar application to keep track of projects and events. When the user would have an open time slot, the app would send an email notification suggesting that they work on the project during the free block. Some tools used were HTML5, Javascript, MongoDB and Heroku.
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Technical Skills

- Programming Languages: C/C++, Python, JavaScript, BASH, Scala, MATLAB,
- Frameworks and Tools: SQL, PostgreSQL, MongoDB, Angular, React, Django, HTML5/CSS/Bootstrap, Electron.js, Heroku
- Proficient with Git, GitHub, UNIX command line, LinuxOS
- Software: Adobe Lightroom and Photoshop, Figma, VirtualBox, VMWare, Microsoft Suite