# Blake Hampton - Computer Science B.S.

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Dedicated computer science student with 5+ years experience writing code and 1 year professional experience actively seeking full time software opportunities. Developed Python and UiPath toolkits at Longs Peak Advisory saving associates hundreds of hours of data entry and formatting.

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## Experience

**Full Stack Developer Intern** - Longs Peak Advisory                    *January 2020 - Present*
- Built and deployed Python Flask web application, automating 10 Excel tasks with drag and drop interface as well as web portal for activating UiPath automations via REST API.
- Created software documentation and associate software guides with Latex.
- Collaborated remotely with co-workers and third party consultants.

**Research Assistant** - ATLAS Institute (Thing Lab)                    *August - December 2019*
- Recreated real life scenes in virtual reality using 3D scanning technologies while working alongside the Thing Lab grad student team.
- First hand experience working with 3D scanning cameras/softwares, Microsoft Hololens, and Oculus rift.

**Lead Instructor** - Youth Tech Inc.                    *June - August 2018*
- Instructed summer tech courses to children ages 7‑12 covering various softwares such as Scratch and Gamemaker.

## Education

**University of Colorado Boulder** - Computer Science B.S.                    *Graduating May 2021*

**Completed Courses (GPA 3.5)** Algorithms, Data Structures, Data Science, Software Development, Database, Big Data, Artificial Intelligence.

**Organizations, Leadership and Clubs** - RHA Baker Hall Senator, BTU Lab, Cyber Security Club, Humans v.s Zombies Moderator.

## Skills

**Experience with** Python, Nginx, SQL, REST API, Bash, UiPath, AWS, HTML, CSS/Bootstrap.

**Proficient in** JavaScript, Java, C#, C++, C, Scala.

**Development Tools** Git, Jupyter Notebook, Postman, Figma, mySQLWorkbench, Latex/Overleaf, Unity.

## Projects

**Big Data 2020 -** Collected and analyzed tens of thousands of political tweets in an effort to forecast 2020 election results.

**Student Web Portal User Experience -** Assisted Engineering Center with website redesign by conducting usability tests, administering student surveys, and utilizing Google Analytics insights.

**Escape Detention** - Created an educational virtual reality experience leading players through space as they learn about the solar system.

**8 Beat** - Built terminal application converting user entered bytes into 8 measure drum loops.

**eServe -** Prototyped and led usability studies for app idea eServe, an uber for home services.