

Chad J. Lewis

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Discovery Learning Apprentice

Aug 2019 - Present

University of Colorado Boulder | Boulder, CO

- Developed on **Hololens** and **Oculus** to assist in building Remote Assistance Application
- Converted **TCP** streaming client to **UDP** for faster streaming.
- Developed **UDP** Streaming system for **Raspberry Pi**

DevOps Intern

June 2019 – Aug. 2019

Webroot | Broomfield, CO

- Utilized **Ansible** and **Gitlab CI/CD** pipelines to deploy applications to **AWS** nodes.
- Developed Chatops Application using **Django** framework integrating **VictorOps**, **Slack**, and customer facing **StatusPage.io**.
- Learned Model View Controller (**MVC**) and Django Object Relation Model (**ORM**).
- Created **Nagios** based Health checks and deployed checks to **Centreon/Nagios** monitoring system.

Algorithms Course Assistant

University of Colorado Boulder | Boulder, CO

Aug 2018 – Dec. 2018

- Mentored and tutored students in the CSCI 3104 **Algorithms** Course
- Reinforced understanding of fundamental algorithms as a resource to my peers.
- Built a plan for success with Team of Professors, TAs, and Course Assistant peers to promote the learning of our students.

Engineering Data Analyst Intern

May 2018 – Aug. 2018

Webroot | Broomfield, CO

- Mapped Webroot **Data Infrastructure** used in Carbonite's Acquisition of Webroot.
- Analyzed 3 Million passwords for presentation on password strength and the impact of password restraints, this was presented at B-Sides in Las Vegas 2018.
- Developed **Consumer Product Messaging** to be used in Fiscal Year 2019.

SKILLS

Python | C++ | Vi | Ubuntu | GitLab | Linux | SQLite | Agile | Jira | SciPy / NumPy | Windows |
| MacOS | Remote Teamwork | Scala | MVC | SolidWorks Associate | Documentation | Sales | Public Speaking

EDUCATION

University of Colorado Boulder | B.S. in Computer Science with a Minor in Business

May 2020

- Cumulative GPA: 3.2 C.S. GPA: 3.379
- Dean's List, Engineering Merit Scholar

University of Economics Prague | Central and Eastern European Studies Certificate

Jan – May 2019

PROJECTS

TKE Social Event Scanner

Used Python, SQLite, and a magstripe reader to process guest's ID cards, record their time of entrance, and check to make sure they are not blacklisted from the event.

Multithreaded Reader Writer Problem Solver

Used C to create a multithreaded solution to the reader writer problem where we want to write and read from the same file grouping at the same time.

EXTRACURRICULARS

Tau Kappa Epsilon; Brother, Chief Justice, Executive Board, Webmaster
Civil Air Patrol; Member, C/Lt Col, National Cadet Advisory Council Member
CU Ethical Hacking; Member;Presenter
CU Women in Computing; Member
Intramural Hockey; Captain