Ethan **Holen**

COLORADO STATE UNIVERSITY CLASS OF 2022, B.S. COMPUTER SCIENCE

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"All we have to decide is what to do with the time that is given us."

Education

COLORADO STATE UNIVERSITY   *Fort Collins Colorado*

B.S. IN COMPUTER SCIENCE   *Jan. 2018 - PRESENT*

- Current Year: Senior
- Computer Science Coursework: Software Engineering, Operating Systems, Mixed Reality Design, Software Development with C++, OS and Networks, Discrete Structures, Data Structures, Computer Organization, System Security

Work Experience

Undergraduate Research Assistant   *Fort Collins, Colorado*

COLORADO STATE UNIVERSITY   *May. 2020 - PRESENT*

- Worked directly with *Dr. Francisco Ortega* and *Dr. Benjamin Clegg*, on projects bridging the Psychology and Computer Science departments.
- Designed experiments in Unity using C# to write logic and collect data from participants in Virtual Reality environments.
- Created custom building simulator in VR from scratch using Unity and C#.
- <u>Utilized</u>: C#, unity, Git, GitHub, Qualtrics, MRTK, Hololens 2, Oculus

iOS Developer   *Douglas County, Colorado*

COLORADO STATE UNIVERSITY   *Jul. 2019 - Aug. 2020*

- Developed an iOS application using Swift for Douglas County Sheriffs Office.
- Designed a restful back-end server using Python for secure storage of names and phone numbers.
- Communicated with the non-technical team about product design and function.
- <u>Utilized</u>: Swift, SwiftUI, Python, Flask, AWS Lambda

IT Intern   *Highlands Ranch, Colorado*

VALOR CHRISTIAN HIGH SCHOOL   *Jul. 2019 - Aug. 2020*

- Provided hardware and software solutions for help desk tickets.
- Managed a JAMF environment of 550 Apple devices.
- Setup and management of 20 Aerohive network access points.
- <u>Utilized</u>: JAMF, Unix, Bash, macOS, Windows

Other

Google Developer Club   *CSU*

TECHNICAL LEAD

- Organized and gave technical presentations to club members as well as helping with student outreach.

Personal Projects

PERSONAL PROJECTS

- Designed a graphical representation of Conway's Game of Life in the Terminal as a Homebrew Tap.
- Created a README generator for quickly starting open source project documentation as a Homebrew Tap.
- Authored, recorded and edited a YouTube tutorial to help introduce beginners to the macOS terminal.
- <u>Utilized</u>: C++, Python, Homebrew, GitHub

Awards

2020	**Fourth Best Overall Hack**, Hack CU-VI Hackathon	*CU, Boulder*
2019	**Second Overall**, Google Passport Design Challenge	*Google, Boulder*
2018	**First Place**, Kaggle, Big Data Competition	*SLU, Missouri*
2015	**Eagle Scout**, Boy Scouts of America	*Troop 102*

Skills

- Software: (Proficient): Swift, Java, C#, Unix, Git (Familiar): C, C++, Python, JavaScript, Bash, Rust