

# Drew Halverson

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## Education

### UNIVERSITY OF WISCONSIN MADISON | 2019-(EXPECTED GRADUATION MAY 2022)

- Computer Science, B.S. (GPA: 3.71) - Dean's List Spring 2020

### UNIVERSITY OF ST. THOMAS | 2018-2019

## Recent Work Experience

### TRULIGHT PROJECT | SOFTWARE ENGINEER/TEAM LEAD | OCT 2020 - CUR

- Lead a team of interns working on backend tasks (algorithm and API development).
- Organize Agile sprints using Jira.
- Write documentation for internal software engineer use.
- Review code commits on GitHub.
- Support mobile development when accessing backend API.

### TRULIGHT PROJECT | SOFTWARE ENGINEER INTERN | MARCH 2020 - OCT 2020

- Created UML diagrams for structure of the first version of backend algorithm.
- Wrote well designed, testable, efficient code as a member of a cohesive Agile driven team.
- Developed unit tests that confirm code functionality.
- Developed an API hosted on Google Cloud Platform for internal use with Spring framework and OpenAPI.

### ELITE SPORTS CLUBS - MEQUON WI | SUMMER CAMP COUNSELOR / POOLSIDE CAFE ATTENDANT | MAY 2019 - AUGUST 2020

- Developed great communication skills with not only young kids, but also parents and co-workers; was responsible for my group of an average of ten kids.

## Skills

- Languages: Java, C, C++, Javascript, Python, CSS, HTML
- Editors: Eclipse, IntelliJ, VS Code, Vim
- Google Cloud Platform products: App Engine, Datastore, Endpoints, Cloud Run
- Familiar with Linux, MacOS, and Windows systems
- Other topics: Git and Github, Spring, OpenAPI, Agile development (Jira), JUnit testing, REST APIs, Unix terminal, JSON, Maven
- Experience building and fixing desktop hardware
- Multimedia Creation Software: Adobe Photoshop, Adobe Premiere Pro

## Projects - visit my portfolio: [d-halverson.github.io](https://d-halverson.github.io)

### FILE BACKUP TOOLS:

- Detects files in a backup hard drive that are no longer needed through the use of a custom data structure that is traversed smartly by choosing which folder to look in next based on the file that is being searched for.
- Also detects duplicate files and supports mass deletion or a selection of several files to be deleted.

### COVID-19 VISUALIZER:

- Displays Covid-19 case data inputted from a json file on to a graph generated based on country selection and time range selection from a GUI created with JavaFX.

## Recent Extracurricular Activities and Organizations

### KAPPA ETA KAPPA (UW-MADISON DELTA CHAPTER) - PROFESSIONAL ELECTRICAL AND COMPUTER ENGINEERING FRATERNITY

Industry Liaison - August 2020 - Current:

- Responsible for working with engineering companies to schedule talks with the KHK membership.

Member - Sept 2019 - Current

### CODING FOR GOOD | UW-MADISON

Software Engineer Team Member - September 2020 - Current:

- Responsible for backend work on "The Culture Project", a site helping students find activities and student orgs

### INTRAMURAL BASKETBALL | UW-MADISON

### CHI ALPHA - CHRISTIAN MINISTRY GROUP | UW-MADISON

### ACM-W HACK DAY | UMN CHAPTER

### COMPUTER SCIENCE CLUB | UNIVERSITY OF ST. THOMAS

### VARSITY BASKETBALL | CEDARBURG HIGH SCHOOL