

# Drew M. Halverson

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120 N. Orchard Street Madison, WI 53715 | (262)-327-7724 | [drew.m.halverson@gmail.com](mailto:drew.m.halverson@gmail.com) | [d-halverson.github.io](https://d-halverson.github.io)

Ambitious software engineer with experience leading, managing, and communicating business needs between teams. Have worked with various cloud computing technologies in both Amazon Web Services and Google Cloud Platform in professional environments for development.

## Education

### UNIVERSITY OF WISCONSIN MADISON | 2019 - MAY 2022

- Computer Science, B.S. (GPA: 3.7/4.0) - Dean's List Spring 2020

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

## Recent Work Experience

### AMAZON | SOFTWARE DEVELOPMENT INTERN | JUNE 2021- AUGUST 2021

- Created and presented a design for my solution to streamline serving delivery data to drivers.
- Developed and deployed my code to production that tracks version numbers of continuously deployed datasets so that the correct data can be used to inform delivery drivers when making deliveries.
- Utilized CI/CD pipelines to run unit & integration tests and deploy new code commits.
- Used AWS technologies such as Lambda, DynamoDB, SQS, IAM, and AppConfig.

### TRULIGHT PROJECT | SOFTWARE ENGINEERING TEAM LEAD | OCT 2020 - APRIL 2021

- Led a team of interns working on backend algorithm and API development.
- Organized Agile sprints using Jira; created and managed epics, stories, tasks, and bugs for the team.
- Reviewed interns' code and provided constructive feedback.
- Collaborated with mobile developers accessing our backend API.

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

- Created UML diagrams/documentation from scratch for the first version of backend algorithm.
- Wrote well designed, testable, efficient code and unit tests as a member of a cohesive Agile driven team.
- Utilized data from the United States Census and FBI APIs to inform the TruLight algorithm.
- Developed an API hosted on Google Cloud Platform with Spring framework and OpenAPI that retrieved data from multiple external sources via concurrent API calls.

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

- Developed strong communication skills through interaction with children ages four through fifteen, parents, and co-workers; worked with a group of an average of ten kids.

## Skills

- Languages: Java, C, C++, Javascript, Python, CSS, HTML
- GCP: App Engine, Datastore, Endpoints, Cloud Run
- AWS: Lambda, DynamoDB, SQS, AppConfig
- Experience with automated deployment pipelines
- Other topics: NoSql, Git and Github, Spring, OpenAPI, Jira, JUnit testing, Mockito, REST APIs, Postman, JSON, Maven, Lombok, multi-threading, Linux terminal
- Editors: Eclipse, IntelliJ, VS Code, Vim

## Projects - Visit my Portfolio for More: [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 - PROFESSIONAL COMPUTER SCIENCE FRATERNITY | UW-MADISON

- Industry Liaison - August 2020 - Current
  - o Responsible for coordinating with companies in relevant industries to schedule presentations for KHK members.
- Member - Sept 2019 - Current

### INTRAMURAL BASKETBALL | UNIVERSITY OF ST. THOMAS & UW-MADISON

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

### ACM-W HACK DAY | UMN CHAPTER

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