

# Gregory Cowles

Experience working on distributed systems in academia and applying those skills to maintaining a live B2B SaaS product. Also, I've developed wonderful gaming experiences in concert with a small team of engineers.

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## EXPERIENCE

### Merge API, New York City— Software Engineering Intern

MAY 2022- AUGUST 2022

Implemented frontend and business logic for a new search feature that granted users full text search of their logs. Helped convert the backend from Postgres to Opensearch to enable efficient text search.

### Analog Devices Inc, Boston— *Digital Design Intern*

MAY 2021 - AUGUST 2021

Created scripts to automate tuning and testing of hardware modules.

## EDUCATION

### University of Michigan, Ann Arbor— *BSE Comp Sci*

AUGUST 2019 - APRIL 2023

Focused on Operating, Web, and Distributed Systems courses. Also, Intro to Machine Learning, Computer Security, Autonomous Robotics and Art History. Game Design was my senior capstone project.

## PROJECTS

### Opensearch Logging— *Merge Intern Project*

Migrated a logging feature from Postgres to Opensearch to improve user experience and cut the operating cost of Merge's platform.

### Haunt — *2D Action Game*

Learned agile project management and how to cope with crunch in a capable team. Implemented player movement, progression system, and visual design. Awarded 3rd place at Michigan's Game Expo.

### Paxos— *Distributed Consensus Protocol*

Allows a network to reach consensus for ordering and executing user requests despite network partitions. Consistency over availability.

## SKILLS

Agile project management

Managing a full stack web product: frontend, business logic, and database

Working on feature branches continuously integrated into live production

Efficient and productive teamwork under duress

Building games in Unity

## PERSONAL QUALITIES

**Tenacious:** committed to solving problems with the knowledge that failure leads to learning, girded by tireless work ethic.

**Adaptable:** able to bypass group politics and work with a variety of stakeholders to help a team work to its full potential.

## LANGUAGES + FRAMEWORKS

English, Spanish, C/C#/C++, Python, Javascript, Go, Typescript, React, Django, Opensearch, Postgres, Unity