

# Jeffrey Maxwell

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## Experience

### Nvidia GPU Cloud Platform

June 2020 – September 2020

#### Software Engineering Intern

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- Team helps provide backend infrastructure for various Nvidia products including Geforce Now cloud gaming
- Built custom Kubernetes operator console backend that gathers in real time the state of Kubernetes components across hundreds of clusters
- Tech stack includes MongoDB, Flask, and a Kubernetes service running in each cluster

### Amazon Web Services

March 2020 – June 2020

#### Software Engineering Intern

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- Worked on the monitoring plane for AWS ElastiCache, which provides managed Redis and Memcached as a service
- Designed and implemented system to automatically detect and remedy a rare type of database outage due to EC2 networking component failure
- Monitoring system reduces the length of this type of outage from hours to minutes

## Projects

### dubhub.pub

- Started as a winning entry to Dubhacks 2019, a hackathon with 1000+ competitors
- Provides historical grade and course evaluation information about UW courses and instructors
- Dataset includes millions of grades and course evaluations, collected via Freedom of Information Act
- Website has over 3,000 unique monthly visitors

## Education

### UW Seattle

#### B.S. Computer Science

- Graduating Winter 2022
- Direct admit
- Minor in math

#### Selected coursework:

- Systems programming
- Data science capstone
- Machine learning
- Data structures and algorithms
- Five quarters of honors math (limited to 40 students yearly)

## Skills

(Ordered by proficiency)

### Languages

- Python
- Typescript/Javascript (ES6)
- Go
- Java
- C/C++

### Technologies

- React
- HTML/CSS/SASS
- SQL
- MongoDB
- Redis
- Flask