

# Trey Moen

Newberg, OR

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## Summary

People- and detail-oriented, creative, self-starting computer scientist with 2+ years of software development and DevOps experience with backend and frontend systems in fast paced environments. Seeking to leverage and expand my skillset new people, domains, and problems.

## Education

### George Fox University (GFU)

Newberg, OR

B.S. IN COMPUTER SCIENCE — CYBER SECURITY CONCENTRATION — GPA: 3.7

Aug 2018 — May 2022

- Selected as one of 40 mentees to participate in the George Fox “IGNITE” industry mentorship program
- Won first place out of 8 teams by working with two colleagues to develop [BookLend](#), a peer-to-peer borrowing and book lending service for college students, in the 2021 GFU Code Jam hackathon ([GitHub](#))
- Elected member of the [Computer Science Student Advisory Board](#), communicating student feedback on the major to professors to ensure representation for the diversity of the students and their interests and career goals
- Student under the [George Fox Honors Program](#), a Great Books general-education program — read over 130 texts and held socratic discussions

## Work Experience

### E&J Gallo Winery

Modesto, CA

PROGRAMMER ANALYST INTERN — INFORMATION SECURITY TEAM

Jun 2021 — Aug 2021

- *Technology used:* AWS (CloudFormation, EC2, EventBridge, GuardDuty, IAM, Lambda, S3, Secrets Manager, SQS), Python
- Saved personnel valuable time by automating the manual remediation of low to high severity findings, achieved by developing a serverless, real-time alert and auto-remediation system deployed across 20+ AWS accounts and 17 AWS regions using Python, AWS Lambda, CloudFormation, GuardDuty, SQS, and more
- Refined endpoint security by auditing hundreds of AWS resources both manually and through automation for security flaws and best practice conformance, including EC2 security groups and IAM policies and roles
- Proved the scalability of the auto-remediation system by pitching and validating my solution with AWS Solutions Architects, an AWS Security specialist, and Technical Account Manager

### JNJ Software, Ltd.

Remote — Vancouver, BC, Canada

FULL-STACK SOFTWARE DEVELOPMENT ENGINEER

Jan 2019 — Jul 2021

- *Technology used:* DigitalOcean, Docker, Go, Grafana, HTML/CSS/JS, Kubernetes, MongoDB, Node.js, Prometheus, Redis, TypeScript
- Powered the core of a growing business as the lead developer in a fast paced development environment by building, documenting, and maintaining myriad projects including REST APIs using TypeScript and MongoDB, client-facing and internal web dashboards in Node.js, HTML, CSS, and JavaScript, and object-oriented language libraries in Go and TypeScript
- Grew existing infrastructure to handle nearly one million messages per day and process terabytes of data per month by designing and building a highly distributed, scalable, web scraping platform and real-time message pipeline focusing on high availability using Docker, Kubernetes on DigitalOcean, MongoDB, Redis, and Node.js
- Optimized business key performance indicators like pipeline latency to a sub-80 millisecond average through data analysis and profiling applications and systems with tools like Grafana and Prometheus

### George Fox University (GFU)

Newberg, OR

TECHNICAL MANAGER — SENIOR CAPSTONE PROJECT

Aug 2021 — Present

- *Technology used:* Docker/Docker-compose, PostgreSQL, Python, PyTorch, Robot OS (ROS)
- Led teammates to continue developing vineyard grape yield estimation models using PyTorch in addition to an autonomous, self-driving rover to collect data powered by Docker and Robot Operating System (ROS)
- Reduced machine learning training time to empower the development of larger, more complex datasets using PyTorch and PostgreSQL
- Coordinated projects spanning different technical domains to produce deliverables that met deadlines

### George Fox University (GFU)

Newberg, OR

LAB ASSISTANT

Aug 2020 — Present

- *Technology covered:* C/C++, Java,  $\text{\LaTeX}$ , MPI, Python, Scala
- Empower and lead students toward understanding concepts and technologies from intro to CS core courses, including data structures, algorithms, parallel programming paradigms, relational databases, and programming style and best practices
- Assist running university-hosted events like the [Inter-Collegiate Programming Contest](#) (ICPC) and [GFU High School Programming Contest](#)

## Certification

### AWS Certified Cloud Practitioner

Jul 2021