Jonas Groening

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[Portfolio](#) | [LinkedIn](#) | [GitHub](#)

Experience

APRIL 2023 - PRESENT

Quarry.video – *Software Engineer*

- Develop and host a centralized logging service with Go and jQuery, allowing the team to find 40% more bugs monthly
- Build an interactive fullstack website with Next.js, React, and Tailwind, amassing hundreds of users
- Utilize RabbitMQ to build a task system for computationally intensive work, allowing the API to become 90% more responsive
- Use Jenkins, Terraform, and Docker to set up a CI/CD pipeline for deployment

MAY 2023 - PRESENT

CriTech Research, Inc. – *Software Engineering Intern*

- Use OpenCV and Python to combine x-ray images into a 3-dimensional model
- Create a CI/CD pipeline using Jenkins to automate unit and black-box testing, saving ~5 hours per week
- Extend and refactor a C# .NET backend to create a more robust and secure API
- Develop and execute test procedures to ensure the safety and quality of medical software

Technologies

Languages | Go, Python, Rust, Java, C++, SQL, Javascript, Typescript, C#

Web Frameworks | React, NextJS, React, Django, Flask, .NET, Fiber

Databases | MySQL, MongoDB, Redis

DevOps | Docker, Terraform, Jenkins

Misc | Pandas, NumPy, OpenCV, Git, Linux, GraphQL

Education

AUGUST 2022 - PRESENT

University of Michigan – *B.S.E, Computer Science*

- GPA: 4.0
- Relative Coursework: Discrete Math, Prog. and Intro Data Structures

Projects

Mongo Migrator

- Develop a tool to migrate mongo databases from one schema to another
- Includes an intuitive custom language and interpreter