Riley H. Grant

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EDUCATION

NORTHEASTERN UNIVERSITY
MS in Computer Science
May 2022 | Boston, MA
Breadth in Systems and Software
Breadth in AI and Data Science
Cum. GPA: 3.88 / 4.00

BS in Civil Engineering
May 2020 | Boston, MA
Magna Cum Laude, Dean's List
Minor in Comp Sci, Mathematics
Jazz Ensemble, Wind Ensemble
Cum. GPA: 3.77 / 4.00

LINKS

GitHub:// **rileyhgrant**
LinkedIn:// **rileyhgrant**
https:// **rileyhgrant.com**

COURSEWORK

GRADUATE
Building Scalable Distributed Systems
Database Management Systems
Machine Learning
Foundations of AI
Programming Design Paradigms
Web Development
Mobile App Development

UNDERGRADUATE
Object Oriented Design
Algorithms and Data

SKILLS

PROGRAMMING
Strong:
JavaScript • TypeScript
React • Node.js • GraphQL
Jest • Cypress • CI/CD
Kubernetes • Google Cloud Platform
Docker • Redis • Firebase
Java • Python • Shell
Familiar:
C++ • R • MySQL • LaTeX

INTERESTS

Backpacking • Running
Scouting (Eagle) • Biking
Jazz Band • Cooking

EXPERIENCE

BROAD INSTITUTE | Associate Software Engineer
July 2022 - Present | Primarily Remote (Boston, MA)
- Working as a Full Stack Developer on the **gnomAD browser**
- Improving the medical community's access of genomic information
- Functioning as part of Heidi Rehm's Lab with Biologists and other professions

CODE FOR BOSTON | Web Developer - Volunteer
Spring 2021 | Boston, MA
- Collaborated with Law Students and Developers to deliver the vision of a website to transparently display voting stances on current MA issues
- Developed a Full Stack Web App using NextJS, React, NodeJS, and Leaflet

L. A. FUESS PARTNERS | Structural Engineering Co-op
July 2019 - Dec 2019 | Boston, MA
- Worked on 3 projects at a time, balancing deadlines and workload
- Wrote and proofread reports to be sent to clients and architects

FAITHFUL+GOULD | Project Management Co-op
July 2018 – Nov 2018 | Singapore
- Produced hundreds of professional AutoCAD drawings for the F1 Grand Prix
- Thrived in a culturally diverse team, and met a demanding timeline

CONTINENTAL DIVIDE TRAIL | Thru Hike
Apr 2021 - Sep 2021 | Mexico to Canada
- Achieved goal of hiking the entire 3,100 mile long CDT
- Overcame all challenges, persisting through weather, terrain, and injury

PROJECTS

ALPHAZERO RESEARCH | Python
Spring 2022 | cs7675: Master's Research
- Working with Professor Karl Lieberherr and the AlphaZero ML Algorithm
- Exploring how ML and AI can aid in Software Development, using problems expressible in Recursive First Order Logic

PERSONAL WEBSITE | NextJS | Website
Spring 2022
- A portfolio website made with NextJS, React, and TypeScript
- Exhibits Modern, responsive design. Leverages NextJS for SSG.

COOKSBOOKS | ReactJS | GitHub
Spring 2021 | cs5610: Web Dev
- A full stack Web App created for the final group project of Web Dev.
- Built with React, NodeJS with Express, MongoDB, Storybook, and Jest.
- Supports users creating, reviewing, liking, and searching for recipes.

ALLEARS | Java | GitHub
Fall 2020 | cs5520: Mobile App Dev
- A music theory Ear Training mobile application developed with Java
- Allows interval and chord identification, difficulties, and stat tracking