

Riley H. Grant

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EDUCATION

NORTHEASTERN UNIVERSITY

CANDIDATE FOR MS IN

COMPUTER SCIENCE

May 2022 | Remote (Boston, MA)

Breadth in Systems and Software

Breadth in AI and Data Science

Cum. GPA: 3.83 / 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](#)

<http://rileyhgrant.com>

COURSEWORK

GRADUATE

Building Scalable Distributed Systems

Web Development

Programming Design Paradigms

Database Management Systems

Machine Learning

Foundations of AI

Mobile App Development

UNDERGRADUATE

Object Oriented Design

Algorithms and Data

Fundamentals of Computer Science 2

SKILLS

PROGRAMMING

Strong:

JavaScript (React, Redux)

TypeScript • NextJS

NodeJS • MongoDB

Java • Python • Shell

HTML/CSS • MongoDB

Familiar:

C++ • R • MySQL • \LaTeX

INTERESTS

Backpacking • Running

Scouting (Eagle) • Biking

Jazz Band • Cooking

EXPERIENCE

CODE FOR BOSTON | WEB DEVELOPER

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
- Learned technologies on project while meeting deadlines

L. A. FUESS PARTNERS | STRUCTURAL ENGINEERING CO-OP

July 2019 - Dec 2019 | Boston, MA

- Created professional Revit models, working alongside client and lead architect
- Wrote and proofread reports to be sent to clients
- Worked on 3 projects at a time, balancing deadlines and workload

FAITHFUL+GOULD | PROJECT MANAGEMENT CO-OP

July 2018 - Nov 2018 | Singapore

- Produced hundreds of professional AutoCAD drawings for the F1 Grand Prix
- Met demanding 4-month timeline, working weekends and after hours
- Thrived in a culturally diverse engineering team

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

NORTH WOODS YMCA CAMP | HEAD COUNSELOR

Summers 2013 - 2016 | Tuftonboro, NH

- Ensured safety, well-being, and hygiene of 100 campers
- Taught social, physical, and organizational skills to campers aged 7 to 13

PROJECTS

ALPHAZERO RESEARCH | PYTHON

Present | Remote (Boston, MA)

- Working with Professor Karl Lieberherr and the AlphaZero ML Algorithm
- Exploring how ML and AI can aid in Software Development, here with problems expressible in Recursive First Order Logic

PERSONAL WEBSITE | NEXTJS | WEBSITE

Spring 2022

- A portfolio website made with NextJS, React, and TypeScript
- Modern, responsive design. Leverages NextJS for SSG to serve content fast.

SUDOKU | PYTHON | GITHUB

Spring 2020

- A fully playable Sudoku application created with Python
- Uses backtracking to recursively generate and solve boards

ALLEARS | JAVA | GITHUB

Fall 2020

- A music theory Ear Training mobile application developed with Java
- Allows interval and chord identification, difficulties, and stat tracking