

Riley H. Grant

rileyhgrant.com
grantrileyh@gmail.com | 617.230.3445

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

BELMONT HIGH SCHOOL

Grad. May 2015 | Belmont, MA

High Honors, National Honors Society

Drum Major, Jazz Band, Cross Country

LINKS

Github:// [rileyhgrant](#)

LinkedIn:// [rileyhgrant](#)

<http://rileyhgrant.com>

COURSEWORK

GRADUATE

Building Scalable Distributed Systems

Programming Design Paradigms

Database Management Systems

Machine Learning

Web Development

UNDERGRADUATE

Object Oriented Design

Algorithms and Data

SKILLS

PROGRAMMING

Strong

JavaScript (React, Redux)

Java • Python • Shell

HTML/CSS • MongoDB

Familiar:

C++ • R • SQL • \LaTeX

INTERESTS

Backpacking • Running

Scouting (Eagle) • Biking

Jazz Band • Cooking

EXPERIENCE

CODE FOR BOSTON | LIVE SITE

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 React, Node, Express, 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
- Worked as a member of a strong team with hikers of different backgrounds

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

NEURAL MCTS RESEARCH | PYTHON, C++

Present | Remote (Boston, MA)

- Working with Professor Karl Lieberherr to apply DeepMind's AlphaZero ML Algorithm to other sample spaces to interpret meaning from the Neural Net

PERSONAL WEBSITE | CSS/HTML | WEBSITE , GITHUB

Spring 2020 | Boston, MA

- A responsive static portfolio website made with HTML/CSS
- Validates email data with JavaScript and formspree.io

SUDOKU | PYTHON | GITHUB

Spring 2020 | Boston, MA

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

ALLEARS | JAVA | GITHUB

Fall 2020 | Boston, MA

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