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 transparantly 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 miles 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