

Riley H. Grant

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EDUCATION

NORTHEASTERN UNIVERSITY

CANDIDATE FOR MS IN

COMPUTER SCIENCE

Present | Boston, MA

Concentration in Software Engineering

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: Marching Band, Jazz Band

Cross Country, Track

LINKS

Github:// [rileyhgrant](#)

LinkedIn:// [rileyhgrant](#)

<https://rileyhgrant.com>

COURSEWORK

GRADUATE

Web Development

Database Management Systems

Programming Design Paradigms

UNDERGRADUATE

Object Oriented Design

Algorithms and Data

Fundamentals of Computer Science 2

Probability and Statistics

SKILLS

PROGRAMMING

Well Versed

JavaScript (React, Redux)

Java • Python • Shell

HTML/CSS • MongoDB

Familiar:

C • R • SQL • \LaTeX

INTERESTS

Backpacking • Scouting (Eagle)

Climbing • Biking • XC Skiing

Jazz Band • Wind Ensemble

Pit Orchestra

EXPERIENCE

CONTINENTAL DIVIDE TRAIL | THRU HIKE

Apr 2021 - Sep 2021 | Mexico to Canada

- Achieved goal of hiking the 3,100 miles of the CDT
- Overcame all challenges, persisting through weather, terrain, and injury
- Established strong team dynamics with hikers from all different backgrounds

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

ENVIRONMENTAL PARTNERS | ENVR. ENGINEERING CO-OP

July 2017 - Dec 2017 | Woburn, MA

- Designed bypass plans and water controls for batch reactor and wick wells
- Created and edited record drawings for projects valued at US\$2,000,000
- Generated detailed base maps in AutoCAD with field notes and septic records

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

PERSONAL WEBSITE | CSS/HTML | WEBSITE, GITHUB

Spring 2020 | Boston, MA

- Used HTML and CSS to create responsive static webpage with intuitive UX design
- Validates data when sending direct emails with [formspre.io](#) on contact with page using JavaScript

SUDOKU | PYTHON | GITHUB

Spring 2020 | Boston, MA

- Playable Sudoku created with Pygame
- Can generate and solve boards using a recursive backtracking algorithm

INVOLVEMENT

CODE FOR BOSTON | LIVE SITE

Spring 2021 | Boston, MA

- Contributed to weekly hack nights on the Advocacy Maps team, creating a website to display student organizations positions on MA voting issues
- Developed website using React, Leaflet, Yarn, and various other technologies