Riley H. Grant

rileyhgrant.github.io

grantrileyh@gmail.com | 617.230.3445 | grant.ril@northeastern.edu

EDUCATION

NORTHEASTERN UNIVERSITY
BS in Civil Engineering
May 2020 | Boston, MA
Magna Cum Laude
Dean's List
Minor in Computer Science
Minor in Mathematics
Civil Engineering Honors Society
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.github.io**

COURSEWORK

UNDERGRADUATE
Object Oriented Design
Algorithms and Data
Fundamentals of Computer Science 2
Number Theory 1
Probability and Statistics
Differential Equations
   and Linear Algebra

SKILLS

PROGRAMMING
Comfortable
Java • Shell • Python
HTML • CSS
Familiar:
JavaScript • LaTeX • C++

TECHNOLOGY
Git • AutoCAD • Revit
Microsoft Office Suite

INTERESTS

Backpacking • Scouting (Eagle)
Climbing • Biking • XC Skiing
Jazz Band • Wind Ensemble
Pit Orchestra

EXPERIENCE

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
- Created and edited professional Revit models, working alongside client and lead architect
- Reviewed dozens of shop fabrication drawings, ensuring consistency between parties
- Wrote and proofread reports to be sent to clients

FAITHFUL+GOULD | Project Management Co-op
July 2018 – Nov 2018 | Singapore
- Created several hundred AutoCAD drawings for facilities throughout the F1 Grand Prix track
- Met demanding 4-month timeline, working weekends and after hours
- Engaged with a culturally diverse engineering team, navigating differences in mindset and work ethic

ENVIRONMENTAL PARTNERS | Envr. Engineering Co-op
July 2017 – Dec 2017 | Woburn, MA
- Designed bypass plans and water control solutions for batch reactor and wick wells
- Created, revised, and organized record drawings for client projects valued at US$2,000,000
- Generated detailed base maps in AutoCAD Civil 3D 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

CHESS | Java | GitHub
Spring 2020 | Boston, MA
- Utilizes MVC design pattern
- Created several AI difficulties with differing strategies
- Features intuitive GUI and local multiplayer

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 **formspree.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