

RYAN PATRICK LOONEY

looney.r@northeastern.edu | (203) 917 – 7516 | Boston, MA | [LinkedIn](#) | [github](#)

EDUCATION

[Northeastern University](#) | Boston, MA

September 2021 – May 2024

M.S. in *Computer Science* | Concentration: *Distributed Systems and Software*

GPA: 3.73/4.0

Relevant Coursework: Discrete Mathematics | Object Oriented Design | Operating Systems | Web Development
| Algorithms

[The Pennsylvania State University](#) | University Park, PA

August 2015 – May 2019

B.S. in Management Information Systems | Minors: Political Science, International Business

GPA: 3.49/4.0

TECHNICAL SKILLS

Familiar Languages: | Python | Java | C | Bash | JavaScript | CSS | HTML | SQL

Technologies and Frameworks: | Git | Unix (WSL Ubuntu) | Bootstrap | NodeJS

PROJECTS

[Thunderdome Simulation Project](#) | Northeastern University / Personal

November 2021, July - August 2022

- Completed and added extra features to a class project that served as an introduction to object-oriented programming in Python. Later re-wrote and refactored it from scratch in Java to embody good principles of object-oriented design (MVC, Polymorphism, D.R.Y).
- The Battle Simulation repeatedly pits two user-chosen characters against one another in a fictional “Thunderdome” battle arena.
- Implemented the refactored version with Model-View-Controller architecture and utilized polymorphism to implement the simulation’s battle system.

[NBA Conditional Probability](#) | Northeastern University

November 2021

- Devised a Python script to transform NBA play-by-play data from 2015 - 2021 (6000+ games) into Boolean data about each game.
- Using the gleaned data, analyzed the conditional probability of victory for both the home and away team dependent upon first-team-to-score, and the team that led at each quarter end.
- Worked in a team to analyze data, and to prepare and present findings and insights, resulting in new personal insights on NBA matchups.

PROFESSIONAL EXPERIENCE

[Northeastern University](#) | Boston, MA

May 2022 – August 2022

Graduate Teaching Assistant – Algorithms, Data Structures, and Computer Systems

- Held regular office hours to help students debug assignments, reviewed class concepts such as data structures and algorithms in detail, and assisted in configuring their Linux machines and Vim editors, resulting in overall educational enrichment.
- Answered student questions and concerns regarding course assignments and learning material.

[Epic Systems](#) | Verona, WI

September 2019 – July 2021

Specialty Steering Board Lead

April 2021 – July 2021

- Acted as the lead liaison between clinical rheumatologists and Epic’s product leadership for the Rheumatology module.
- Conducted steering board elections bringing in a new and excited group of physicians to participate in board’s activities.

Application Manager

January 2021 – July 2021

- Lead the implementation of Epic software at a dentistry practice in California, completing the project within an accelerated 4.5-month timeline.
- Worked with client operational executives to assemble, validate, and adhere to robust software implementation project plans, identifying and assuaging project risks as they arose, resulting in a markedly low-ticket Go-Live.
- Worked in tandem with, and oversaw the professional development of, the project Application Coordinator on the implementation of Epic’s dentistry module, resulting in their promotion to Application Manager at the project’s end.

Application Coordinator

September 2019 – July 2021

- Lead application-specific legacy data conversion efforts, working with multi-disciplinary team of IT project leaders, Epic data conversion specialists, and organ transplant experts, exceeding project timelines.
- Developed, improved upon, and maintained implementation tools and software content to be used in implementing best practices at >400 hospital systems, for the Orthopedics, Dermatology, and Ophthalmology software modules.

HOBBIES AND INTERESTS

Coffee brewing | Basketball | Weightlifting | Gaming | Guitar | Music & Audio Production/Engineering | History & Political Science