

ROBERT TYLER LUPO

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EDUCATION

Northeastern University – Boston, MA

Aug 2019 - Present

Master of Science in Computer Science - GPA: 3.7/4.0

Related Coursework: Object-Oriented Design, Intensive Foundations of Computer Science, Discrete Mathematics and Data Structures, Algorithms, Intro to Computer Systems, Human Computer Interaction, Foundations of Software Engineering

Rutgers University – New Brunswick, NJ

May 2018

Bachelor of Arts in Human Resource Management - GPA: 4.0/4.0 - Graduated Summa Cum Laude

TECHNICAL KNOWLEDGE

Languages: **Proficient:** Python, Java, TypeScript **Familiar:** C, HTML5/CSS, Shell script, SQL, JavaScript

Software/Frameworks: Node.js, React, UNIX, Windows, IntelliJ, VSCode, ServiceNow, IDLE, Vim, PyCharm, GIT, SPSS, Lotus Notes, XML, Microsoft Office

Design/Mgmt Skills: Software Development Lifecycle Methodologies (i.e Agile, Scrum, Kanban, Waterfall), Test-Driven Development, Rapid Prototyping, Figma, Balsmiq, Axure, User Stories, Storyboarding, Wireframes, Trello

PROJECT EXPERIENCE

Northeastern University – Boston, MA

- Developed an extensible GUI-based Java animator application that supports multiple input formats such as SVG and text-based encoding of animation and allows flexible playback control with one other individual. Led the project design process and incorporated object-oriented design principles, which allowed additional functional components to be easily added.
- Designed and implemented a text-based adventure game in Python. Performed storyboarding for game objectives and applied object-oriented design principles. Performed rigorous unit and functional testing to ensure that all possible scenarios of the game worked as intended.

Virtual Network-wide ServiceNow and Accenture Graduate Student Hackathon (*1st place among 12 teams*)

- Led a group of four individuals in the design and implementation of a ServiceNow application aimed towards centralizing the management of issues in residential student life by creating a one-stop shop for students, residential assistants, and department admins.

WORK EXPERIENCE

Northeastern University, Khoury College of Computer Sciences – Boston, MA

Jan 2020 – Present

Graduate Teaching Assistant

- Provide academic support and instruction to students of the graduate level course, Intensive Foundations of CS in Python.
- Create automated test cases for comprehensive evaluation of student performance on homework and exams.
- Design additional course materials to strengthen student's understanding of tradeoffs between different approaches to programming problems in Python.
- Collaborate with supervisors and colleagues to constantly improve course structure by integrating feedback from grading homework and exams.

Precision System Design – Basking Ridge, NJ

Jan 2018 – Aug 2019

Technical Recruiter

- Facilitated end-to-end recruitment for contract, contract-to-hire and permanent requisitions for Fortune 500 clients within the IT industry.
- Created and executed multi-layered sourcing plans that include the utilization of both internal and external sources, which increased applicant processing efficiency.
- Partnered with the Director of Internal Recruitment to revise the sourcing strategy for recruitment of recent college graduates and experienced recruiters resulting in a more refined talent pool.

RESEARCH AND ACHIEVEMENTS

Independent Research Study – Rutgers University, HRM Department

Title: Underrepresentation of Women in the Video Game Industry

- Performed a yearlong study which focused on the analysis of video game industry trends and culture and explored a variety of different HR solutions to promote inclusiveness for women in the industry.

Matthew Lewdt Society – Rutgers University

- Inducted into The Matthew Leydt Society for being in the top 2 percent among 8,500 students who earned degrees from Rutgers-New Brunswick and RBHS during the academic year.