Garrett Ladley

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Available January-August 2023

Education

Northeastern University, Khoury College of Computer Sciences, Boston, MA Sept. 2021- Present
Candidate for a B.S. in Computer Science & Economics, Minor in Business Analytics Expected: May 2025

GPA: 4.0/4.0
Achievements: Dean's List, Dean's Merit Scholarship
Activities: Disrupt FinTech Initiative, Economics Society, Chinese Language Table, Disability Resource Center Note Taker
Relevant Coursework: Object-Oriented Design, Applied Econometrics, Algorithms and Data, Database Design, Microeconomic Theory, Macroeconomic Theory

New Canaan High School, New Canaan, CT Aug. 2017- June 2021

Honors and Awards: AP Scholar with Distinction, National Chinese Honor Society, Connecticut Seal of Biliteracy in Mandarin, World Language Department Excellence in Chinese Award, Academic High Honor Roll

Skills

Programming Languages: Java | Racket | R | SQL | Python | HTML | CSS
Software: IntelliJ IDEA | GitHub | Eclipse | RStudio | PyCharm | DataGrip
Tools: JUnit | Swing | Git | XML | pandas | numpy | JSON | LaTeX
Languages: Proficiency in Mandarin

Projects

IME: Image Manipulation and Enhancement June 2022
Object-Oriented Design: Java, JUnit, Swing, IntelliJ

- Collaborated on an image processing application which allows users to interactively load, process, and save images through text-based scripting, loading a script file, or a full graphical user interface
- Designed with Model-View-Controller development flow, command pattern, and SOLID principles in mind to create, document, and extensively test a robust application

Marble Solitaire May 2022 – June 2022
Object-Oriented Design: Java, JUnit, IntelliJ

- Implemented the game marble solitaire with high-level design patterns and abstraction to enable adding variations of this game with minimal change and duplication of code
- Designed with the Model-View-Controller development flow and SOLID principles in mind to create, document, and extensively test a robust application

Graph Search Algorithm Visualization April 2022 – May 2022
Fundamentals of Computer Science II: Java, Eclipse

- Randomly generated mazes using Kruskal's algorithm for minimum spanning trees then solved the mazes using breadth first search and depth first search
- Implemented a variety of extra credit features such as algorithm statistics, visual improvements, and gameplay enhancements which allowed the user to modify their experience

Experience

Computer Science Teaching Assistant, Boston, MA Sept. 2022 - Present
Khoury College of Computer Sciences

- Taught 450+ students in Object-Oriented Design (CS 3500)
- Held 4+ office hours per week to meet individual students for one-on-one academic support and tutoring
- Led laboratory sessions, graded student projects, and collaborated with professors and other course staff each week to ensure a smooth course flow and foster an inclusive environment

Retail Sales Associate, Edgartown, MA | Boston, MA May 2022 – Present
vineyard vines

- Selected for a high-profile summer assignment at the Edgartown flagship store
- Assisted creative and visual merchandising team in completing store visual updates according to company guidelines and feedback from senior management

Interests

LEGO, Console & Mobile Games, Fashion, Music Criticism, Econometrics, Skiing, World Travel