Garrett Ladley

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Availability 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
>**Achievements:** 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 | R | SQL | Python | HTML | CSS | Racket
Software: IntelliJ IDEA | GitHub | Eclipse | RStudio | PyCharm | DataGrip | Microsoft Visual Studio
Tools: JUnit | Swing | Git | XML | pandas | numpy | matplotlib | JSON | LaTeX
Languages: Proficiency in Mandarin

Projects

Finnovate   Sept. 2022 – Present
Disrupt FinTech Initiative: Python, SQL
>• Participating in an 8-week program developing skills in different aspects of FinTech (Design Thinking, Ideation, Digital Transformation, Entrepreneurship, Financial/Business Modeling, etc.)
>• Competing against other teams to build the best FinTech startup for an ultimate cash prize of $5000

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

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