Benjamin Friedman

Contact Information:

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Education:

University of Massachusetts Lowell — Expected Graduation: May 2022
Bachelor of Science in Computer Science — GPA: 3.73
Minor in Mathematics
Relevant Coursework: Data Structures/Algorithms, Object-Oriented Programming, GUI Programming, Operating Systems, Organization of Programming Languages, Computer Architecture, Assembly Language Programming
Awards: Dean's List Honors every semester.

CS Skills

- Strong, rigorous background in programming fundamentals: object-oriented design, data structures/algorithms, code testing, and the general software design process.
- Experienced with C, C++, Java, Python, HTML, CSS, and JavaScript.
- Working in Visual Studio, VS Code, Atom, and Linux.
- Quick learner capable of working with new languages and technologies.
- *Website:* https://benfriedman97.github.io

Work Experience:

UMass Lowell Centers for Learning, Advising, & Academic Success — July 2019 - present
Tutor/Teaching Assistant

- Tutor students in calculus I/II, intro to programming, data structures/algorithms, and object-oriented programming. Lead and facilitate one-on-one and group sessions.
- Developed very comprehensive, multi-dozen page documents explaining all the material taught in calculus I/II and data structures/algorithms.
- Worked twice as a teaching assistant for a calculus class.

UMass Lowell Computer Science Department — January 2020 - present
Grader

- Grade student programming assignments for the data structures/algorithms class.
- Give useful feedback to the students to assist in their learning.
- Developed a GitHub repository with a comprehensive series of tests for the 12 assignments and programs given during the semester. The repository is now being used by other graders as well.

Project Examples

- Unbeatable hangman game using 127,000 word file (C), creation of my own libraries for data structures (C), image encryption/decryption program (C++), solar system simulation (C++), converting keyboard to a guitar (C++), and writing an assembly language linker.