

Vance Raiti

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Education

Boston University College of Engineering, Boston, MA

Bachelor of Science, Computer Engineering. Expected to Graduate Spring 2025

GPA: 4.0/4.0

Relevant Coursework

Software Engineering, Digital Logic Design, Discrete Mathematics, Writing Seminar, Multivariable Calculus, Electric Circuits, Electricity & Magnetism, Engineering Chemistry

Skills

C++, Python, Javascript, HTML, CSS, Object-Oriented Programming, Linux, Github, BASH, basic algorithms and data structures, Verilog

Projects

Online Game Library, Javascript

- Built implementation of classic games with team of freshman developers including Minesweeper, Tic-Tac-Toe, and Sudoku using Javascript, CSS, and HTML. Used version control with Github

HPL Optimizer, BASH

- Wrote Bash script to automate optimization of High Performance Linpack benchmarking on club-owned cluster using gradient ascent.

Macronutrients Calculator, Python

- Wrote python script to automate recording of macronutrient contents of meals

Leadership/Experience

BU High Performance Computing Club, Cluster Manager (2022-present)

- Learned about high performance and parallel computing technologies
- Installed High Performance Linpack software package and other dependencies (OpenBLAS, OpenMPI, etc.) on club-owned computing cluster using Linux.

Career Tech Education Project Leader (2019 - 2021)

- Directed production of educational music video media in school project of 30 12th and 11th grade music students over 2 school years.
- Managed group activity schedule, lead meetings, and handled written communication across group and between external organizations
- Developed engagement methods to more than double member participation over past years