

# Daniel Gross

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## EDUCATION

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### University of Massachusetts Boston

*Bachelor of Science in Computer Science*

GPA: 3.4

*Sep. 2023 - May. 2027*

## PROJECTS

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### Fitness Web App | *Python, Flask, SQLite, HTML/CSS*

March 2024 – May 2024

- Developed a full-stack web application using Flask, with simple HTML/CSS as the frontend.
- Implemented a simple user login/signup feature using POST and GET requests to send data to the backend.
- Designed a simple food nutrition search, using a third party API to retrieve information about the queried item.
- Collaborated with other group members using AGILE methodologies and S.M.A.R.T. goals to speed development.

## RELEVANT COURSEWORK

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### Intermediate Computing with Data Structures | *CS210*

Spring 2024

- Studied the design and implementations of data structures and algorithms in Java.
- Designed various data structures, including variations of Heaps, Binary Trees, Hashmaps, and Graphs.
- Implemented several algorithms, such as Binary Search, Quick Sort, Dijkstra's Shortest Path, A\* Search.
- Familiarized with the concept of Object-Oriented Programming with Java.

### Programming in C | *CS240*

Spring 2024

- Learned the main features of C, including bitwise operations, memory allocation, and pointers.
- Implemented various data structures and algorithms in C, such as Linked Lists and Merge Sort.
- Developed C programs using structs, unions, and file pointers, in an idiomatic C way.
- Studied common security issues with C namely buffer overflows and formatting string attacks.

## WORK EXPERIENCE

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### Print Production Assistant

May 2021 – August 2024

*Infinite Graphics Solutions*

*Woburn, MA*

- Prepared digital files for printing, ensuring the quality and purpose of the printed materials.
- Communicated with clients through email to devise the best solution for their printing needs.
- Managed the printing of several jobs concurrently, to maintain the highest possible output.

## TECHNICAL SKILLS

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**Languages:** Python, Java, C, HTML/CSS

**Libraries:** Flask, Jinja, Matplotlib, Numpy, Pandas

**Developer Tools:** Linux, Git, Vim