

# Daniel Melchor

✉ [dmelchor@bu.edu](mailto:dmelchor@bu.edu) | 🌐 [danielmelchor.com](https://danielmelchor.com) | 📞 +1 (845) 536-0122 | 📱 [danimelchor](https://danimelchor.com)

## EDUCATION

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Boston University

Boston, MA

BA in Computer Science

Sep 2020 - May 2024

- Computer Science GPA: 3.73/4.00, Deans List (all semesters)
- Relevant Courses: Probability in Computing, Computer Systems, Geometric Algorithms, Combinatoric Structures, Introduction to Analysis of Algorithms, Introduction to Information Security.

## EXPERIENCE

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Software Engineer, *Intellegenz*

Jun 2021 - Aug 2021

- Developed a machine learning model from pre-trained neural networks to extract relevant entities from a well-known Business Telecom company's support ticket emails.
- Created a documentation page to define how each part of the model behaves.
- Analyzed the model's performance against current existing public solutions and found a 4x improvement in accuracy.

Independent Writer, *Towards Data Science*

Jul 2021 - Present

- Wrote articles about different aspects of Machine Learning to help those that are just starting to avoid problems I encountered during my learning process.
- Have had more than three thousand different readers on these articles.

## PROJECTS

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BU Nexus - *HTML, CSS, Node.js, Express, React, Django*

(In Progress) <https://bunexus.app>

An application created to improve and add several features to Boston University's current registration tool. The app offers an automatic schedule generation algorithm, internal class/professor ratings, and much more.

Personal Website - *HTML, CSS, Javascript, React*

<https://danielmelchor.com>

Built a personal website that includes a showcase of some of my best projects, a blog where I post about my life and topics I find interesting, and a contact page for those who are interested in learning more about me.

Decentrapass - *HTML, CSS, React, Javascript, Solidity, Chrome Extension API...*

<https://decentrapass.org>

Built a decentralized protocol for securely storing passwords inside Ethereum's network. The product offers fast access to your passwords, decentralized storage and it's free.

Sorting Visualizer - *HTML, CSS, Javascript, JQuery*

<https://danimelchor.github.io/sorting-visualizer/>

A simple yet powerful visualizer to showcase how some of the most used sorting algorithms behave in different scenarios.

## TECHNICAL SKILLS

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**Proficient:** HTML, CSS, Python, Pytorch, Javascript, Node.js, Django, Java, SQL, Git, Linux, Solidity, PHP, Docker, Django, SCSS.

**Familiar:** C, C++, Gatsby, Kubernetes, TensorFlow,

## ADDITIONAL INFORMATION

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**Languages:** Spanish (native), English (full professional proficiency), French (limited working proficiency).

**Current interests:** chess, effective altruism, financial independence, blockchain, rock climbing...

**Random topics we can talk about:** canoe trips, web development, animal suffering, American colleges, cryptocurrencies...