

Daniel Melchor

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EDUCATION

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

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

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

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

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