

Daniel Augustin

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PERSONAL STATEMENT

give me a job plz

EDUCATION

Northwestern University

Masters in Robotics

Evanston, IL 2025 - 2026

UNIVERSITY OF MASSACHUSETTS - AMHERST

Bachelor of Sciences, Triple Degree: Computer Science, Mechanical Engineering, and Applied Mathematics

AMHERST, MA 2019 - 2023

Minor: Business

Courses: Algorithm Design and Analysis, Complex Data Structures, Information retrieval and Modeling, Natural Language Processing, Artificial Intelligence and Machine Learning, DBMS Querying, Robotics, Algorithms in Data Science.

PROFESSIONAL EXPERIENCE

AMAZON, California - REDSHIFT SDE

06/2023 - 08/2024

- Constantly worked with Databases, EC2s, Clusters, and DevOps to add new functionalities to AWS
- Created and used APIs alongside step functions to fetch and process what the customer needed
- Experienced working in an Agile approach, including large-scale Agile environments
- Utilized Cloud Watch to monitor resources such as EC2, CPU memory, Amazon RDS services, and EBS volumes, to set alarms for notification or automated actions, and to monitor logs for a better understanding and operation of the system.

AMAZON, Virginia - AWS SDE Intern

June 2022 – September 2022

- Experienced working with a multitude of AWS tools, including but not limited to EMR/EC2, S3, Lambda Functions, CloudFormation, EventBridge, CloudWatch, and DevTools
- Developed new data partitioning strategies for customer databases to help query faster
- Provided technical insights for our team through developer tools

YMCA, MA - Zero Robotics Coach

July 2018 – August 2019

- Organized and monitored a team designed to participate in a robotics competition
- Served as technical support for the competition season.
- Made programming decisions about how the team should move forward to win the competition

PROJECTS

Bank Simulator

- Created a bank that runs on a server and allows people worldwide to open an account, withdraw, or deposit money without any errors or mess-ups in the system. It kept all the customer information and transactions stored in a database as a failsafe to review history and correct any errors that could occur (C++)

Cuteness classifier

- Created, trained, and tested a machine with enough data to correctly rank pet(dogs and cats) pictures based on cuteness. First, the machine was trained to correctly classify if an image was a dog or a cat, and once it was classified, the machine could give a cuteness rating of the animal. The cuteness rating would then be compared to the rankings humans would give about how cute they thought the animal was. (Python)

Domino Hands

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SKILLS

- **Applications/Software:** JetBrains, Git, MATLAB, SOLIDWORKS, ANSYS, ROS2
- **Operating Systems:** Windows, MAC OS, Linux
- **Programming Languages:** Java, C, C++, Python, JavaScript, TypeScript
- **Languages:** Fluent in Spanish, French, Creole