

Dylan McCann

516-232-4094 | New York City / Boston | mccann.d@northeastern.edu | [linkedin.com/in/dylan-mccann1](https://www.linkedin.com/in/dylan-mccann1)
github.com/leoleader | Website: leoleader.github.io/menagerie/

EDUCATION

Northeastern University

Boston, MA

Bachelor of Science in Computer Science and Mathematics

Sep 2021 – May 2024

GPA: 3.57/4.0 — Dean's List

Relevant Coursework: Artificial Intelligence, Fundamentals of Software Engineering, Algorithms & Data, Networks and Distributed Systems, Object Oriented Design, Graph Theory, Probability and Risk

Relevant Clubs: Northeastern Electric Racing - Software Application / Data Visualization Team

TECHNICAL SKILLS

Languages: Python, TypeScript, R, Swift, Java, SQL, JavaScript, C#, HTML/CSS

Technologies: React, Angular, Node.js, Django, Express, Git, Prisma, Docker

PROJECTS

Argos | *Angular, Swift, Express, Typescript, HTML/CSS, Prisma, MapBox, Vitest, Docker* Sep 2023 – Present

- Developing Argos, a real-time data-visualization tool for NEU Electric Racing, which directly interfaces with the competition vehicle and effectively displays all its data to users
- Programming thousands of lines of code to create backend database operations, data piping and validation systems, front-end data visualization components, and real-time mapping features
- Users can use the web or IOS app to view current information about the car like charge or location and access critical data on its previous races/test runs with the goal of improving performance

AI Tetris | *Python, PyTorch, NumPy, Git* Nov 2023 - Nov 2023

- Developed and implemented search algorithms (e.g., depth-first, breadth-first, A*, etc.) tailored for Tetris game mechanics to efficiently explore and analyze possible move sequences
- Applied machine learning techniques, to create a Tetris-solving program capable of learning optimal strategies and adapting to diverse game scenarios
- Analyzed and compared performance of search algorithms vs. machine learning and presented findings

Sherry's Quizzes | *Python, Django, HTML/CSS, SQLite, Heroku, Git* Jan 2023 – Aug 2023

- Web app where users can create and take custom quizzes featuring: custom quiz builder, account creation/validation, search and filter system and more!
- Designed and implemented a robust Django model system and database architecture, ensuring optimal data organization, retrieval, and scalability
- Programmed 10+ web pages in raw HTML/CSS, connected to frontend using Django template system

WORK EXPERIENCE

Barista

Jun 2022 – Aug 2022

Starbucks

Long Beach, NY

- Fostered customer relationships, serving hand-crafted beverages and food for the ideal customer experience
- Collaborated daily with a team of 3-5 baristas in a fast-paced work environment
- Served 800+ customers a day, able to multitask and manage multiple roles while maintaining a clean and safe work environment

STEM Camp Counselor

Jun 2022 – Aug 2022

Keys2Success

Newark, NJ

- Volunteered for Keys2Success, a nonprofit summer camp teaching kids from underserved areas piano and STEM
- Instructed several classes of 10-15 kids a day on basic principles of physics and engineering
- Created engaging lessons plans with fellow counselors using online simulations and fun interactive activities

INTERESTS

Piano, Formula 1, Rock Climbing, Surfing, Classic Literature, Cats