

Dylan McCann

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EDUCATION

Northeastern University

Boston, MA

Bachelor of Science in Computer Science and Mathematics

Sep. 2021 – May 2025

GPA: 3.57/4.0 — Dean's List

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

Relevant Clubs: Software Engineer for Northeastern Electric Racing's Data Visualization and Analysis Team

TECHNICAL SKILLS

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

Technologies: React, Node.js, Django, Express, Git, Prisma, Docker, Vitest, Jest, JUnit, AutoCAD

PROJECTS

Argos | *Typescript, React, Express, Prisma, Vitest, Docker, Git*

September 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 it's data to users
- Programming hundreds of lines of code to create backend database operations, data validation and visualization systems, thorough unit testing, etc.
- Weekly meetings, constant collaboration with other engineers and implementation of feedback from Project Lead

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, implemented into frontend using Django template system

Image Processing Program | *Java, Swing, JUnit*

Nov 2022 – December 2022

- Created and implemented 10 different RGB pixel manipulation algorithms to allow users to filter their images, along with standard operations like flip and brighten
- Implemented MVC architecture, OOD principles, and thorough unit testing to create software that supports all image file types, including raw ppm
- Designed and built custom GUI using Java Swing

WORK EXPERIENCE

Barista

June 2022 – August 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

Music, Space Exploration, Formula 1, Rock Climbing, Literature and Poetry, Cats