

Dustin Noonan

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EDUCATION

Northeastern University

B.S. of Computer Science, GPA: 3.82/4.0

May 2025

Boston, MA

Relevant Coursework: Algorithms & Data Structures, Software Engineering, Machine Learning, Computer Systems

EXPERIENCE

SeeAir

June 2024 – December 2024

Software Engineer Co-op

Boston, MA

- Collaborated with a team of five to launch a home-improvement service across an app, website, and multiple machine learning technologies, generating **over \$200,000** in revenue
- Launched an iOS application, establishing a new customer workflow, and allowing **100+ new users** to get home improvement recommendations **20 times faster** than the old workflow
- Implemented model training and continuous model evaluation with AWS SageMaker endpoints and PyTorch, saving manual admin interaction by **over 60%** when converting image data into home information
- Designed a robust event-driven architecture leveraging AWS SQS and AWS Lambda, enabling asynchronous processing that scaled to handle an **over 10x** client load without performance degradation

GeostingAI

September 2023 – March 2024

Mobile App Development Intern

Freeport, ME

- Created a mobile application, enabling autonomous functionality for a robot tractor, benefiting **over 5** agricultural operations with affordable and efficient solutions
- Implemented geofencing and boundary creation with polygon overlays, enabling users to define custom regions and custom location history, leading to a **5x faster** tracking response time
- Hosted a Postgres Database on AWS infrastructure by integrating Django REST services to track robot activity, achieving a **40% reduction** in response time for real-time robot tracking

Tyler Technologies

May 2022 – August 2023

Software Development Intern

Yarmouth, ME

- Led the development of a C#-based customer support tool to automate manual support actions, reducing resolution time for fuel transaction reversals by **over 55%**
- Improved **10+** secure REST API endpoints, integrating OAuth 2.0 to enhance data security for customers and external users, enabling seamless collaboration with the new Tyler mobile app
- Utilized Agile SDLC methodologies to enhance ERP software functionality, collaborating with the QA team to leverage TDD and achieve **over 95%** test coverage

PROJECTS

Rubrik | *React Native, C++*

December 2024 – Present

- Deployed a cross-platform Rubik's Cube solver app using React Native, achieving a 95% code reuse rate between Android and iOS platforms, and ensuring consistent user experience across devices
- Developed interactive 3D visualizations in C++ for the Rubik's Cube solver app, providing users with clear, step-by-step demonstrations that improved user engagement metrics by 40% during testing phases

Shazamify | *Tensorflow, Javascript*

February 2024 – October 2024

- Built a Chrome extension mimicking Shazam's functionality using machine learning models to classify and identify music directly from audio inputs, resulting in a 90% accuracy in music classification tasks

TECHNICAL SKILLS

Languages: Python, Swift, Java, Typescript, C/C++, Go

Tools/Technologies: Vim, Linux, AWS, .NET, Docker, React