

# MATTHEW DELLANEVE

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## PROFESSIONAL SUMMARY

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Recent Computer Science graduate with a B.S. and M.S. seeking a full-time software engineer role. Experienced working in both a startup and large enterprise using Agile principles. Skilled in Python and C# for back-end development and JavaScript for front-end development. High achiever with a drive to deliver quality software and develop new skills.

## EXPERIENCE

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### Technology Co-op | FM Global | Johnston, RI

Jan 2022 – Jun 2022

- Increased communication speed with global partners by 20% through the creation of RESTful API endpoints in C# and web components in Angular.
- Wrote extensive integration and unit tests using SpecFlow and Selenium with a greater than 90% coverage of the codebase, ensuring minimal bugs in production.
- Brought new QA testers up to speed quickly by guiding them through the team's testing workflow and principles.

### Technology Intern | Perch | Boston, MA

Jan 2021 – Aug 2021

- Developed the first API connection between Perch and Mohawk, a global freight forwarder and customs provider, improving the speed and quality of information between the two businesses and reducing manual labor processing by 90%.
- Helped identify missing product information by writing a Python script with Django that queries the database for relevant products and reports them in a daily email.
- Utilized Confluence to write professional documentation for the Mohawk API connection, detailing important logistics terminology and the structure of API requests.
- Reduced troubleshooting time by 50% by overhauling a program for generating profit and loss reports so future changes were easier and new reports were output in a properly formatted Excel file.

### HVAC Summer Intern | Stark Tech | Tonawanda, NY

Jun 2020 – Aug 2020

- Ensured delivered software was bug-free by creating an automated end-to-end testing project in Cypress and integrating it into the team's CircleCI deployment pipeline.
- Automated internationalization by writing a Node.js program to read English phrases from a JSON file and translate them to a specified language using Google Translate, reducing the need for manual translation by 80%.
- Improved the user experience of a chart and widget dashboard written in Angular by making the widgets friendly for mobile devices and more responsive.

## EDUCATION

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Rochester Institute of Technology - M.S. Computer Science (GPA: 4.0)

Dec 2023

Rochester Institute of Technology - B.S. Computer Science (GPA: 3.93)

Dec 2023

## TECHNICAL SKILLS

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Python, .NET, C#, SQL, JavaScript, TypeScript, Angular 2, RESTful APIs, Object-Oriented Programming, Git

## PROJECTS

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### Equality Saturation for the MLton Compiler (MS Capstone Project)

Aug 2023 – Dec 2023

- Designed a new program representation that maximizes opportunities for improving efficiency of execution using cutting-edge optimization techniques.

### LangF Intermediate Representation (Academic)

May 2023 - Aug 2023

- Implemented a program representation, including functionality to convert programs to the representation and validate the correctness of the conversion, for learning the fundamentals of optimization.

### MoonRust (Academic)

Mar 2023 - May 2023

- Collaborated with a team on a Rust program that directly executes instructions written in Lua without needing to convert directly to machine code, all while guaranteeing memory safety.