John Mihal

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Profile and Objective

Aspiring developer with concrete programming skills, and a focus on user centered design.
Looking to obtain a co-op position in computer science, available 2023.

- Web development skills with HTML, CSS and exposure to JS
- Object Oriented Languages; Java and Python
- Experience with C in a low level environment
- Database concepts, experience with SQL
- Team oriented and well versed with the Agile method

Education

B.S. Computer Science, Rochester Institute of Technology, 3.7/4.0, May 2025

Relevant Experience

VR Temple Run (academic)   Team size: 1   Spring 2020
Autonomously researched and developed a VR infinite running type game prototype.
    Tools: Unreal Engine 4.25, Unreal Blueprints, Level Design, VR

Web Checkers (academic)   Team size: 5   Fall 2021
Developed a checkers website where users could play against each other in real time, create tournaments and watch games. The solution was implemented over the course of a semester broken into 4 sprints.

- Planned using UML class diagrams, sequence diagrams and web state diagrams
- Utilized SCRUM and Agile methodologies to coordinate teamwork
- Implemented the solution with Java, JS, using an Apache Server
- Verified using 14 test cases with 100% pass rate

    Tools: Agile, SCRUM, Unit Tests, UML, Sequence Diagrams, Web State Diagrams, Java, Apache Server

Meal Hub (academic)   Team size: 4   Spring 2022
Designed a relational database and Java database management application. Constructed the database in SQL and an application where users could manage a virtual pantry, search recipes and receive recipe recommendations.

- Database handled 500,000+ ingredients and 1000's of recipes in 10 tables
- Data was populated, generated and prepared using Java and Kaggle data
- Implemented efficient data structures and indexes to allow quick <2s searches of recipes and ingredients
- Analyzed database trends with R

    Tools: SQL, Relational Databases, Java, Java Fx, Gluon Scene Builder, R

Weather Web App (personal)   Team size: 1   Summer 2022
Investigated and learned JS to formulate and develop a JS web app where users can look up the weather of a city.
    Tools: JS, HTML, CSS, API's

Temperature Converter iOS App (personal)   Team size: 1   Summer 2022
Learned Swift to create a iOS app where users can convert temperature from C° to F° and F° to C°.
    Tools: Swift, Swift UI

Professional Experience

Barista, Starbucks Coffee Company, January 2019 - August 2020 and June 2022 - August 2022

- Worked under pressure in a high pace environment to manage multiple customers at once
- Gained interpersonal skills to create a welcoming environment for patrons
- Managed unhappy customers