Dylan McDonald

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OBJECTIVE: Seeking a software engineering co-op using strong programming skills in Swift, Java, Python, C / C++, etc. Available January 2024 – August 2024, flexible.

EDUCATION

Rochester Institute of Technology (RIT) Rochester, NY

***Bachelor of Science**, Software Engineering* – **GPA: 3.35** Expected May 2027

***Master of Science (Accelerated Scholars Program)**, Software Engineering* Expected May 2028

RIT Dean's List Spring 2023, Spring 2024

Related Courses: Software Development and Problem Solving, Personal Software Engineering, Discrete Math for Computing, Calculus, Web Engineering, Engineering of Software Subsystems, Software Process and Project Management, Software Design for Computing Systems

SKILLS

Programming Languages and Skills: Swift (UIKit, SwiftUI), Java, Python, C / C++, SQL, REST, HTML, React
Operating Systems: iOS, iPadOS, macOS, watchOS, visionOS, Windows, browser

PROJECTS

***School Assistant,* Personal Project** **November 2019 – Present**

- Developed app in Swift (UIKit) with Xcode, using GitHub for version / history tracking, and CoreData with CloudKit for data storage and syncing
- Supports iOS, iPadOS, visionOS, macOS (Mac Catalyst) with one codebase, plus watchOS
- Created advanced assignment tracking and schedule logging features with multiple complex algorithms and functions
- Over 457,000 downloads; 4.8 star average with over 4,500 reviews as of September 2024
- Featured by Apple on the App Store multiple times, as well as sites such as 9to5Mac

***Animal Shelter Donation Website,* Intro to Software Engineering** **August 2023 – December 2023**

- Collaborated in a team of five to create a web application allowing users to view the needs of an animal shelter and make donations
- Created using Java, Angular, TypeScript, and HTML / CSS in Visual Studio Code
- Analyzed problem statements and performed noun-verb analyses
- Created many design documents, domain models, sequence diagrams, etc.
- Used Agile / Scrum practices including daily standups, reflections meetings, sprints, etc.
- Used Slack and Discord for team communication
- Wrote unit tests as well as documentation ensuring functionality and justification of design choices

***NutriKit Website,* Web Engineering** **December 2023 – May 2024**

- Worked independently to create web application with responsive design allowing users to create a list of food, view nutritional value, and add / save new food items to the database
- Created using JavaScript, PostgreSQL, React, and HTML / CSS in Visual Studio Code
- Worked with a partner to review each other's code and suggest enhancements and fixes

EXPERIENCE

Sun Apps, LLC *Owner and Developer*

February 2020 – Present

- Developed, designed, and marketed multiple apps
- Released six apps on the App Store
- Over 600,000 total downloads as of September 2024
- Created a unique brand and design for each app
- Handle support emails, feature requests, and App Store reviews
- Adapt to new features, software updates, and platforms as they are released