

Dylan McDonald

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OBJECTIVE: Seeking a Software Engineering co-op position, leveraging strong programming skills and a passion for excellent code and design. Available January 2026 onward.

EDUCATION AND AWARDS

Rochester Institute of Technology (RIT)

Rochester, NY

Bachelor of Science, Software Engineering – GPA: 3.41

Expected May 2027

Master of Science (Accelerated Scholars Program), Software Engineering

Expected May 2028

RIT Dean's List Spring 2023, Spring 2024, Fall 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, Analysis of Algorithms, Human Centered Requirements and Design

Swift Student Challenge 2025 winner

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, embedded

PROJECTS

School Assistant, Personal Project

June 2017 – Present

- Developed app in Swift (UIKit, SwiftUI) 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 515,000 downloads; 4.7 star average with over 6,000 reviews as of April 2025
- Featured by Apple on the App Store multiple times, as well as sites such as 9to5Mac and Macrumors

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 and designed multiple apps with over 710,000 total downloads as of April 2025
- Released six apps on the App Store, more currently in development and testing
- Created a unique brand, design, and marketing for each app
- Handle support emails, feature requests, and App Store reviews
- Adapt to new features, software updates, and platforms as they are released

Deleted for now:

nutRITion, Software Engineering Freshman Seminar

August 2022 – December 2022

- Collaborated with team of 4 others to create a web application
- Created using HTML and CSS
- Used Slack and Discord for team communication
- Personally responsible for creating all interface design mockups and app branding
- Analyzed problem statement with domain model and performed noun-verb analysis

FFmpeg Command Generator, Personal Project *(Available on GitHub)*

October 2022 – Present

- Developed app in Swift (UIKit) using Xcode, using GitHub for version/history tracking, and UserDefaults for basic data storage
- Supports iOS, iPadOS, visionOS, and macOS (Mac Catalyst) with one codebase
- Created interface elements specifically designed to adapt to multiple different operating systems, design languages, and screen sizes
- Over 4,000 downloads as of September 2024