

Dylan McDonald

443-440-7993 | dlm8749@rit.edu | dylan@sunapps.org

GitHub: DylanMcD8 | LinkedIn: dylanmcd8 | Websites: dylanmcd.com, sunapps.org

OBJECTIVE: Seeking a software engineering co-op or internship using strong programming skills in Swift, Java, Python, and C/C++.

EDUCATION

Rochester Institute of Technology (RIT)

Bachelor of Science, Software Engineering – GPA: 3.29

Master of Science, Software Engineering

RIT Dean's List Spring 2023

Related Courses: Software Development and Problem Solving, Personal Software Engineering, Discrete Math for Computing, Calculus, Web Engineering, Engineering of Software Subsystems

Rochester, NY

Expected May 2027

Expected May 2028

SKILLS

Programming Languages and Skills: Swift, Java, Python, C, C++, SQL, REST

Operating Systems: iOS, iPadOS, macOS, watchOS, visionOS, Windows

PROJECTS

School Assistant, Personal Project

November 2019 – Present

- Developed app in Swift (UIKit) using 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
- Supports advanced assignment tracking and schedule logging features
- Over 375,000 downloads as of February 2024
- 4.7 star average with over 4,000 reviews as of February 2024
- Featured by Apple on the App Store multiple times

FFmpeg Command Generator, Personal Project

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)
- Interface specifically designed to adapt to multiple different operating systems, design languages, and screen sizes
- Over 2,000 downloads as of February 2024

Animal Shelter Donation Website, Intro to Software Engineering

August 2023 – December 2023

- Collaborated with team of 4 others to create web application that allows 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 statement and performed noun-verb analysis
- Created many design documents, domain models, sequence diagrams, etc.
- Used Agile development practices including daily standups, reflections meetings, etc.
- Used Slack and Discord for team communication
- Wrote unit tests as well as documentation to ensure functionality and justify design choices

EXPERIENCE

Sun Apps, LLC

Owner and Developer

February 2020 – Present

- Developed, designed, and marketed multiple apps
- Released six apps on the App Store
- Over total 470,000 downloads as of February 2024
- Unique branding and design for each app
- Handle support requests and reply to App Store reviews
- Adapt to new features, software updates, and platforms as they are released