

Simon Bilsky-Rollins

github.com/simonbilskyrollins
simonbr.com

simon@simonbr.com
(609) 751-4995

Experience

iOS Software Engineer, Walmart Labs—Portland, OR

Oct 2018 – present

- Led a team of 5 iOS engineers building a “save for later” feature on the Walmart app’s cart page.
- Collaborated with Android, web, and back-end leads to define contracts and flesh out error scenarios.
- Wrote a Combine-oriented wrapper for the Apollo GraphQL client, including tooling and documentation.
- Helped rewrite the Walmart app from scratch, achieving 93% unit test coverage on my team (cart page).
- Evangelized the MVVM+Coordinator architecture pattern and testing best practices through code reviews.
- Worked together with product, design, and QE to deliver low-defect software at a consistent velocity.

Web Development Intern, Vevo—San Francisco, CA

Jun – Sep 2017

- Built shuffle feature for playlist video player.
- Improved end-user performance by implementing list virtualization within React web app.
- Developed end-to-end tests for website SEO metadata and user registration flow.

iOS Developer, Carleton College Information Technology Services—Northfield, MN

Jun – Aug 2016

- Developed an iOS app that uses Bluetooth beacons to create an augmented reality tour of campus.

Education

Carleton College—Northfield, MN

Graduated June 2018

- Bachelor of Arts *cum laude* | Computer Science | 3.75 GPA
- Relevant coursework: Software Design, Programming Languages, Operating Systems, Computer Security

Projects & Activities

Volleyball Stats App—senior integrative exercise at Carleton College

Sep 2017 – Jun 2018

- Designed and implemented an iPad app that allows volleyball coaches to track what parts of the court players hit the ball to and intelligently visualize that data using customizable filters.
- Improved performance by identifying and fixing memory leaks and optimizing Core Data queries.
- Group of 5; I received individual distinction for my work.
- Released on the App Store June 2018 | shottey.com

Scheme Interpreter—final project for Programming Languages course

May – Jun 2018

- Used C to implement an interpreter for Scheme compliant with the R5RS language specification.

President, Carleton College Developers’ Exchange—Northfield, MN

Mar 2016 – Mar 2018

- Held interactive workshops about useful languages & tools not featured in the department curriculum.
- Worked with 5-person board to organize weekly meetings and lead trips to hackathons.

Airline On-Time Performance Visualization—project for Data Visualization course

Apr 2017

- Designed and built an interactive visualization of flight on-time performance data using D3.js.
- github.com/simonbilskyrollins/flights-vis

Skills

Languages

Swift • Objective-C • JavaScript • Python • C • Java • CSS • HTML • Scheme • PHP • R

Tools & Systems

Git • iOS • UIKit • Combine • GraphQL • Apollo • XCTest • Core Data