

Simon Bilsky-Rollins

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Education

Carleton College—Northfield, MN

Graduated June 2018

- Bachelor of Arts *cum laude* | Computer Science | 3.75 GPA
- Relevant coursework: Software Design, Data Visualization, Artificial Intelligence, Computer Security, Operating Systems, Programming Languages, Applied Regression Analysis, Designing for Diversity

Experience

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.
- Collaborated with QA, designers, and product managers in agile product delivery pipeline.

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.

Python Developer, SysMind—Princeton Junction, NJ

Jul – Sep 2015

- Built a program that identifies resumes attached to emails, extracts key information, and updates a database of job candidates. Python script, SQL database, PHP web interface.

Projects & Activities

Volleyball Stats App—senior integrative exercise at Carleton College

Sep 2017 – present

- 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 database queries.
- Developed a comprehensive data model for all game, team, and player data using Core Data.
- Group of 5; I received individual distinction for my work.
- Website: <http://www.shottey.com> | Released on the App Store June 2018

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.
- <https://github.com/simonbilskyrollins/flights-vis>

Skills

Languages

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

Tools & Systems

iOS • React • Redux • D3.js • Flask • Django • Git • PostgreSQL • SQLite • Core Data