

KELLY SADWIN

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ksadwin.com
github.com/ksadwin

EDUCATION

Ithaca College · May 2016 · 3.93 GPA

- Bachelor of Science in Computer Science, with Minor in Music, *summa cum laude*
 - Dean's List Fall 2012, Fall 2013, Spring 2014, Fall 2014, Spring 2015, Fall 2015
 - Upsilon Pi Epsilon Computing & Information Honor Society, Omicron Chapter
 - Recipient of Computer Science Academic Achievement
 - Oracle Honor Society
 - Event Coordinator of Ithaca College Women in Computing
 - President of Ithaca College Bell People
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LANGUAGES & TECHNOLOGIES

Python · Java · C/C++ · HTML/CSS/Bootstrap · Linux commands · Git · Agile Development
F# · SQL · JavaScript/jQuery · Flask · Android · AWS · TCP/IP Protocol Stack · Assembly · COBOL

RELEVANT COURSEWORK

- Data Structures/Algorithms
 - Computer Organization and Systems
 - Networks
 - Programming Languages
 - Information Retrieval
 - Human-Computer Interaction
 - Advanced Web Development
 - Software Engineering
 - Math: Calculus, Linear Algebra, Statistics
 - Physics: Mechanics, Electricity & Magnetism
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PROJECTS

For more projects, see github.com/ksadwin

Tumblr Taggregation Engine · Python/Flask/Bootstrap/AJAX/AWS · Summer 2016

A live-updating embeddable list of any Tumblr user's top-used tags from their latest posts (accessed via an original web scraper). Hosted on an AWS EC2 instance at <http://iraedria.ksadwin.com/taggregator/tumblr/>.

Schedule Maker · Python/Flask/SQLAlchemy/AWS · Fall 2015-Spring 2016

Initial work on a website to allow Ithaca College students to automatically view possible schedules given a list of desired courses. Employs MVC framework Flask, deployed to AWS EC2 instance, in addition to extensive database design, scheduling algorithms, and web scraping.

OkCupid Research Project · Python/SQLite · Fall 2015-Spring 2016

Senior project to discover language differences among users on the dating website OkCupid using web scraping, natural language processing, and statistical analysis. Presented at the New York Celebration of Women in Computing and as finalists at the James J. Whalen Academic Symposium.

EMPLOYMENT

Student Tutor · Ithaca College Tutoring Services · August 2014-May 2016

- Tutor individuals, small groups, and review sessions. Approx. 3 hrs/week pending on demand.
- Subjects: Python, Java, web programming, systems (with C and assembly), and discrete math

Teaching Assistant (Algorithms) · Ithaca College CS Department · January 2016-May 2016

- Assist students in class and at review sessions. 6 hrs/week.
- Class focuses on application of algorithmic thinking in the context of Java programming.