

SKILLS & TECHNOLOGIES

Python · SQL · Quadiant (GMC) Inspire · Technical Writing · Quick Learner · Effective Teacher
Java · Groovy · C/C++ · HTML/CSS · JS/jQuery · Flask · IronPython · Linux · Salesforce · Jira · Confluence

EMPLOYMENT

Sr. Application Support Engineer · Billtrust · October 2016-Present

- Agile, flexible, fast-paced team supporting custom implementations to parse customer ERP data files, load data into an internal database, and create PDF documents of bills to customer's specifications
- Stack includes Quadiant, Linux, Groovy, Python, IronPython, C++, MySQL, MongoDB, HTML, CSS
- Responsibilities include creative solutioning for customer's needs, optimizing code for both speed and memory management, estimating and managing timelines for extended projects
- Role within the team includes developing and enforcing coding standards, mentoring/teaching new employees our stack creating detailed documentation on training materials and other reference guides
- Accelerated from junior-, to mid-, to senior-level over the course of employment

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

- Tutor individuals, small groups, and review sessions
- 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
 - Class focuses on application of algorithmic thinking in the context of Java programming.
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EDUCATION

Ithaca College · May 2016 · 3.93 GPA

Bachelor of Science in Computer Science, with Minor in Music, *summa cum laude*

- Dean's List
 - Oracle Honor Society
 - President of Ithaca College Bell People
 - Upsilon Pi Epsilon Computing & Information Honor Society, Omicron Chapter
 - Comp Sci Academic Achievement Recipient
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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

OkCupid Research Project · Python/SQLite

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.

Namechanger · Python/Flask/SQLAlchemy/Bootstrap/AJAX/AWS

A responsive website with homebrewed user account sign-ins, preferences, and interactions hosted on an AWS EC2 instance at <http://namechanger.ksadwin.com/>.

Schedule Maker · Python/Flask/SQLAlchemy/AWS

Initial work on a website in a group project 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.