

Steven Sawtelle

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stevensawtelle



steven-sawtelle

Education

Arizona State University

Major: Computer Science

Major GPA: 4.00

Overall GPA: 3.87

Graduating May 2019

Programming Languages

Javascript, Python, Java,
Swift

Web

HTML 5, CSS, node.js,
Bootstrap, Sass, Jekyll

Other Technologies

Git, Subversion, Shell, UNIX,
DOORS, various APIs

Achievements

Fulton Furnace Hackathon
Second Runner-Up 2016

New American University
President's Scholarship

Public Service Academy
Award

Dean's List 2015 - 2016

Coursework

Data Structures and Object
Oriented Programming

Algorithmic Problem Solving

Digital Design Fundamentals

Intro to Programming
Languages

Computer Organization and
Assembly Language

Experience

Software Engineering Intern **Performance Software (June 2016 - current)**

- **Created, analyzed, and updated** safety-critical embedded flight control systems using Python
- **Designed** and executed full coverage test cases to ensure proper software implementation
- **Exercised** communication skills through working with fellow employees, off-site contractors, and clients

Projects

@LearnWordsYo **Twitter bot to train vocabulary**

- **Designed and developed** a Javascript application to tweet out five synonyms of one word, respond to correct guesses of that word, give hints, and more
- Extensively **utilized** Node.js framework and npm to achieve integration with multiple packages
- **Implemented** version control and remote hosting using Git and Heroku

Raspberry Pi Curriculum Incorporation

- **Created and programmed** interactive tutorials on Raspberry Pi to use for elementary school children to learn coding
- **Focused** on increasing access to low income and minority students without traditional technological opportunities

Continuous messenger script for Reddit

- **Identified** a need to monitor for certain personally interesting keywords on reddit.com
- **Devised and implemented** a script to monitor and report on these words to a personal account
- **Applied** best practices of the PRAW API and OAuth verification

Leadership Experience

Section Leader **Next Generation Service Corps (August 2016 - Present)**

- **Selected** by ASU as a service oriented individual to pursue a Cross-Sector Leadership certificate
- **Organized** outreach to local nonprofits and coordinated service events
- Directly **led** a team of 30 students through leadership activities and various community events

Engineering Ambassador **School of Engineering (October 2016 - Present)**

- **Interfaced** with ASU to reach out and encourage all students to consider engineering majors
- **Gave** tours and **hosted** info sessions about engineering at ASU