

Steven Sawtelle

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EDUCATION

Arizona State University, Graduating May 2019

Tempe, AZ

Computer Science, BS

GPA 3.91/4.0

Relevant Coursework: Algorithmic Problem Solving, Data Structures and Object Oriented Programming, Introduction to Programming Languages

Honors: Dean's List, President's Scholarship, Public Service Academy Award

National University of Singapore - *University Exchange Program*

Singapore, SG

Relevant Coursework: Data Structures and Algorithms

Fall 2017

EXPERIENCE

ViaSat, Inc.

Tempe, AZ

Software Engineering Intern

May – Aug 2017

- **Devised** and **created** scripting software to automate redundant tasks of systems engineers, **eliminating** two hours of work for each execution.
- **Integrated** 3rd-party APIs into internal front end web portal.
- **Tools:** Python, Flask, GraphQL, EC2, Docker, Jenkins, JavaScript, D3, Git

Performance Software

Phoenix, AZ

Software Engineering Intern

June 2016 – Apr 2017

- **Created** and **updated** test scripts of safety-critical flight control systems.
- **Awarded** company's "Engineering Excellence Award" for outstanding work and leadership on assigned project.
- **Tools:** Python, SVN, Rational DOORs

PROJECTS (more at github.com/StevenSawtelle)

Arizona State University Facts • amzn.com/B071JL2MHN

Summer 2017

Source Code: github.com/StevenSawtelle/ASU_Facts

- **Delivers** info about Arizona State University to Amazon Alexa devices
- **Tools:** JavaScript, Lambda, AWS,

SwiftVISA • github.com/StevenSawtelle/SwiftVISA

Jan – May 2017

Done as Student Researcher in Conjunction with Dr. Owen Hildreth

- **Designed** and **developed** a Swift wrapper of the National Instruments VISA standard for inter-device communication.
- **Tools:** Swift, C

Heartner • github.com/Eric-Arellano/heart-rate-life-alert

Jan 2017

Completed for HackAZ 2017

- **Created** an application to consistently monitor the heart rate of users when enabled and contact friends/family as needed.
- Individually **focused** on iOS development, UI Design, and WatchOS/HealthKit
- **Tools:** Swift, iOS, watchOS, HealthKit, Flask

SKILLS AND CERTIFICATIONS

- Languages (In Order of Familiarity): Python, Java, Swift, JavaScript, C++, C, Scheme(Racket)
- Frameworks/Libraries: D3, GraphQL, node.js, Flask, watchOS, HealthKit, various APIs
- Tools/Environments: Docker, Git, SVN, Jenkins, AWS, Vim, Eclipse, Visual Studio, Xcode