Steven Sawtelle

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EDUCATION

Arizona State University, Barrett, the Honors College — Tempe, AZ
Computer Science, BS — Aug 2015 – May 2019
  Relevant Coursework: Algorithmic Problem Solving, Data Structures and — GPA 3.91/4.0
   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: Advanced 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

SELECTED PROJECTS (more at github.com/StevenSawtelle)

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

Arizona State University Facts • amzn.com/B071JL2MHN — June 2017
Source Code: github.com/StevenSawtelle/ASU_Facts
- **Delivers** info about Arizona State University to Amazon Alexa devices
- **Tools:** JavaScript, Lambda, AWS,

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 TECHNOLOGIES

- **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