Steven Sawtelle

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EDUCATION

Arizona State University – Barrett, the Honors College – Graduating May 2019 — Tempe, AZ

Computer Science, BS – GPA 3.91/4.0

Activities: Next Generation Service Corps, Software Developer's Association

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

National University of Singapore - *University Exchange Program* — Singapore, SG

Chosen to participate in the Honors Exchange Program with NUS, routinely rated as the number one university in Asia by QS World University Ranking — Fall 2017

EXPERIENCE

ViaSat, Inc. - *Software Engineering Intern* — Tempe, AZ

- Devised and created scripting software to automate redundant tasks of systems engineers, eliminating two hours of work for each execution. — May – Aug 2017
- Integrated 3rd-party APIs into internal front end web portal.
- **Tools:** Python, Flask, GraphQL, EC2, Docker, Jenkins, JavaScript, D3, Git

Performance Software - *Software Engineering Intern* — Phoenix, AZ

- Created and updated test scripts of safety-critical flight control systems. — June 2016 – Apr 2017
- Managed all stages of peer preview process, cutting time taken for each by 66%.
- Awarded company's "Engineering Excellence Award" for outstanding work.
- **Tools:** Python, SVN, Rational DOORs

PROJECTS *(more at github.com/StevenSawtelle)*

SwiftVISA • github.com/StevenSawtelle/SwiftVISA — Jan – May 2017

Funded project 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

- Created and published an Alexa skill to provide info about Arizona State University to Amazon Alexa devices on request.
- **Tools:** JavaScript, Lambda, Alexa APIs, 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 when in danger.
- Individually focused on iOS development, UI Design, and Apple Watch integration.
- **Tools:** Swift, iOS, watchOS, HealthKit, Flask

Raspberry Pi Curriculum Integration — Aug – Dec 2016

Completed with Chandler Unified School District and Inition Education Solution

- Created and helped implement a program for local low-income elementary schools to incorporate Raspberry Pi projects into their after school curriculum.
- Interfaced with students, parents, teachers, supervisors and more to test out multiple options and decide on best implementation.
- **Tools:** Raspberry Pi, Arduino, Java, Scratch (teaching)

INTERESTS

Public Policy (specifically concerning CS Education), Board Games (designing and playing), Hobbyist Woodworking