Steven Sawtelle

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EDUCATION

Arizona State University   Tempe, AZ
Computer Science, BS – GPA 3.80/4.0   Aug 2015 - (Expected) May 2019
  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
  Studied abroad at top international Computer Science program and experienced   Fall 2017
  cultural immersion through travel of Southeast Asia.

EXPERIENCE

Google - *Software Engineering Intern, Chrome Media User Experience*   Kirkland, WA
  • Led effort to create API for adding custom controls to Picture in Picture windows.   May 2018 – Aug 2018
  • Implemented several features to improve the media experience of Chrome ranging
    from dedicated readability icons to automatic resizing of media controls.
  • **Tools:** C++, HTML, JavaScript, Git, Chromium (open source)

ViaSat, Inc. - *Software Engineering Intern*   Tempe, AZ
  • Devised and created scripting software to automate redundant tasks of systems   May – Aug 2017
    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 - *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)*

Sentinel   August 2018 - current
Senior Capstone Project - completed with General Dynamics Mission Systems
  • Developed a system to automatically detect objects with a drone's camera and display
    these otherwise hidden objects to a user wearing a HoloLens device.
  • **Tools:** Unity, DJI, HoloLens

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.
  • **Tools:** Swift, C

Heartner • github.com/Eric-Arellano/heart-rate-life-alert   Jan 2017
Completed for HackAZ 2017
  • Created an iOS app to monitor the heart rate of users and warn on abnormal conditions.
    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.
  • **Tools:** Raspberry Pi, Arduino, Java, Scratch (teaching)

INTERESTS

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