

AARON T. PULVER

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SKILLS:

Software: ArcGIS, QGIS, Microsoft Office, Git, IIS, Google App Engine, Windows, Linux

Languages: Python, JavaScript, HTML/CSS, Ruby

Libraries: ArcGIS APIs (REST, JavaScript, Python), Leaflet, Flask, Dojo

Databases: SQL Server, MySQL, SQLite

EXPERIENCE:

PRODUCT ENGINEER

January 2017 – Present

Esri, Redlands, CA

- Worked with developers to design, implement, and test new features and bugs
- Worked as part of a sub-team on Operations Dashboard to implement the action framework
- Developed automated UI tests using Ruby, Python, Selenium, and Jenkins for CI

GRADUATE ASSISTANT & GIS TECHNICIAN

August 2015 – December 2016

University of Utah, Salt Lake City, UT

- Developed web app using ArcGIS JavaScript API and Dojo framework to map, record, query, and export avalanche information for a local ski resort
- Developed HIPPA compliant web application and backend for cancer research

SOFTWARE PRODUCT INTERN

May 2015 – July 2015

Esri, Redlands, CA

May 2016 – July 2016

- Developed Python library and scripts for mobile apps QA teams and customers
- Developed automated UI tests using Appium, Selenium, and Ruby for mobile apps

GRADUATE TEACHING ASSISTANT

January 2016 – May 2016

University of Utah, Salt Lake City, UT

January 2015 – May 2015

- Instructed Introductory Python & GIS class
- Assisted students in Web GIS class (HTML/CSS, JavaScript, ArcGIS Server)

TEACHING ASSISTANT

September 2013 – May 2014

Rochester Institute of Technology, Rochester, NY

- Instructed and helped students with Assembly language and VHDL labs.

PRODUCT ENGINEER CO-OP

March 2013-August 2013

Lenovo, Morrisville, NC

- Worked with a team to implement an asset and case tracking system using C# and MySQL

SOFTWARE ENGINEER CO-OP

March 2012-August 2012

The Gleason Works, Rochester, NY

- Implemented 3D graphics modeling for CNC machines using EyeShot, WPF, and C#

EDUCATION:

UNIVERSITY OF UTAH, Salt Lake City, UT

Master of Science in Geography, May 2017

ROCHESTER INSTITUTE OF TECHNOLOGY, Rochester, NY

Bachelor of Science in Computer Engineering, May 2014

PUBLICATIONS & PRESENTATIONS:

Pulver, Aaron, Richard M. Medina. "A review of security and privacy concerns in digital intelligence collection." *Intelligence & National Security* (2017): 1-16.

Pulver, Aaron, Ran Wei, and Clay Mann. "Locating AED Enabled Medical Drones to Enhance Cardiac Arrest Response Times." *Prehospital Emergency Care* (2016): 1-12.

Pulver, Aaron, Ran Wei. "A location model for siting medical drones to reduce EMS response times for cardiac arrest." Presentation given at the *2016 Annual Meeting of the Association of American Geographers*, San Francisco, CA, USA, March 28- April 2, 2016.

Pulver, Aaron. "Locating Medical Drones To Reduce EMS Response Times." 2015. Presentation given at The 26th Quarterly Salt Lake GIS Users Group (SLUG) Meeting, Salt Lake City, UT, USA, November 17, 2015.