

SAVANNAH OSTROWSKI

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WORK EXPERIENCE

Software Engineer, DroneSeed, Seattle, WA. Jan. 2017 – Jul. 2017

- Worked as DroneSeed's first and only software engineer
- Automated multi-vehicle drone route selection and flight planning using Python
- Researched, designed and implemented an algorithm for drone obstacle avoidance
- Built visualization tools to validate generated drone routes with Python and QGIS
- Generated drone flights to cover hundreds of acres and avoid hundreds of obstacles
- Performed four days of on-site field testing to test drone routes and spray patterns

Front-End Developer Intern, Sequence, San Francisco, CA. Sept. 2015 – Dec. 2015

- Refactored a nutrition calculator web application using ReactJS
- Modularized 40+ web pages to increase content management system flexibility
- Spearheaded the development of an animated holiday micro-site to send to clients
- Resolved 100+ JavaScript bugs on websites for clients like Chipotle and Chevron

Front-End Developer Intern, TheRedPin Inc., Toronto, ON. Jan. 2015 – Apr. 2015

- Built a web crawler with node.js to verify a site map of 3.7 million URLs
- Automated quality assurance work flows to reduce testing time every sprint
- Developed new features and fixed bugs using JavaScript, HTML, and SASS

Geomatics Analyst Intern, KBMRG, Thunder Bay, ON. May 2014 – Aug. 2014

- Managed hundreds of gigabytes of spatial data in multi-year project
- Implemented version control infrastructure in an editing-enabled web application
- Automated complex tasks using Python to reduce delivery time

OTHER EXPERIENCE

Teaching Assistant - Advanced GIS, University of Waterloo, May 2015 – Aug. 2015

- Instructed weekly three hour labs of 25 students to explain assignments
- Taught advanced spatial concepts and Python scripting in an ArcGIS environment
- Hosted office hours to provide one-on-one assistance to students outside of lab time

PERSONAL PROJECTS

Limon - An Interface for Locally Stored Videos, Sept. 2016 – Nov. 2016

- A Netflix-inspired application built using Java and ReactJS
- Crawls directories on your computer, collects video files, queries the OMDb API for any movie information, and displays the movie and corresponding information in the browser for easy viewing

EDUCATION

BES in Geomatics, University of Waterloo, Waterloo, Ontario, Canada, Jun. 2016

- Awarded Graduating Dean's Honors List
- GPA: 3.7/4.0