

Savannah Ostrowski

Full-Stack Developer

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github.com/savannahostrowski



Technical Skills

- Languages: JavaScript, Python, HTML5, CSS3/Sass, Racket & C
- Frameworks & Libraries: jQuery, ReactJS, AngularJS, D3.js, three.js, node.js & Bottle
- Build and Testing: Grunt, Gulp, Mocha, Chai, Webdriver & Selenium
- Databases: PostgreSQL & mongoDB
- Spatial Data Software & Tools: ENVI, Geomatica, ArcGIS, QGIS & Leaflet.js
- Other: Git/GitHub, Jira, Trello, & Vim

Experience

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

- Modularized 40+ web pages to increase CMS flexibility and allow for rapid page creation
- Refactored and added functionality to a nutrition calculator web application using ReactJS
- Independently built a microsite which included CSS3 animations and map components
- Resolved over 100+ bugs on domestic and international websites of high-profile clients

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

- Built a web crawler to verify a site map of 3.7 million URLs using node.js
- Developed features and fixed bugs using JavaScript, Sass and Volt
- Wrote automated tests in JavaScript using Selenium, WebDriver, Chai and Mocha
- Instituted daily bug triages with stakeholders to prioritize work for other developers

Aerial Survey and Geomatics Analyst, KBMRG, Thunder Bay, ON. May 2014 – Aug. 2014

- Played a key role in the management of spatial data in a multi-year project
- Automated complex workflows using Python to reduce delivery time
- Implemented versioning infrastructure in ArcGIS using Microsoft SQL Server
- Published data to ArcGIS Spatial Data Server for an editing-enabled web application

Other Experience

Teaching Assistant – GEOG 381 (Advanced GIS), University of Waterloo, May 2015 – Aug. 2015

- Instructed lab sessions of up to 25 students to explain assignment details
- Taught spatial concepts and Python scripting at an advanced course level
- Hosted office hours to provide additional help for students struggling with course material

Education

Bachelor of Environmental Studies in Geomatics, University of Waterloo, Waterloo, ON

- Dean's Honours List : September 2011 – Present
- Relevant Courses: Elementary Algorithm Design and Data Abstraction, Functional Programming, Applied Linear Algebra 1 and 2, Applied Calculus, Spatial Databases, Multivariate Statistics, Data Types and Structures, Computers and Computer Systems, Computer Applications in Business: Databases