# Joshua Tanner
## Geospatial Application Developer

## EXPERIENCE

### Web Administrator / GIS Analyst,  State of Oregon - Geospatial Enterprise Office
Salem, OR  — Jan 2014-current

The Oregon Geospatial Enterprise Office manages the State's coordination of geospatial information and standards.  GEO manages a centralized enterprise IT infrastructure and provides access to statewide data through ArcGIS Server.

**Accomplishments**
- Assisted in coordination and development of statewide address repository
- Provided development support for RAPTOR - Oregon's emergency response planning tool
- Participated in creation of standardization and requirements for spatial metadata
- Consulted with state and local agencies for geospatial application development and IT support
- Managed Oregon's ArcGIS Online Organizational account
- Coordinated communication and data sharing between agencies, with goal of reducing data redundancy
- Promoted and taught best practices in software development to other state agencies

### GIS Programmer / Software Developer,  The Baldwin Group
Charleston, SC — 2012-2014

The Baldwin Group supports all software development at the NOAA Coastal Services Center.

**Accomplishments**
- Successful completion and release of applications as a lead developer through their entire development cycle
- Implemented MVC/MVVM architecture for more efficient abstraction of development tasks
- Led presentations for federal NOAA staff to educate them on our development technologies and processes
- Lead analyst for server analytics and tracking
- Primary GIS developer contact for GIS/Remote Sensing staff
- Development and implementation of building API's to connect coastal management data to the public

### GIS Technician / Application Developer, City of Charleston
Charleston, SC — 2009-2012

The City of Charleston GIS department provides a central GIS and application development support to all other city departments.

**Accomplishments**
- Increased GIS support to all staff (including fire and police) by creating web mapping application using ArcGIS Server and ArcGIS JavaScript API
- Connected public to GIS data by developing applications using various API's and data sources
- Developed python scripts and tools to help automate and optimize internal mapping processes
- Served as lead designer on various projects throughout the City
- Taught students interning with planning department GIS principles and assisted with their personal projects
- Worked with Blue Angels to map out flight paths and potential hazards for Charleston Air Show

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- Served as representative for the planning department during monthly public meetings with the mayor

### GIS Internship (full time), Richland County

Columbia, SC — 2007-2009

As an intern with Richland County GIS Department, I worked closely with GIS Analysts and Software Engineers to maintain geospatial support to the county.

**Accomplishments**
- Linked public to GIS content by designing and developing department website
- Assisted in creation of master address point layer using ArcGIS and GPS in the field
- Worked with staff to aid in map creation and layer maintenance

### Research Assistant, University of South Carolina Geology Department

Columbia, SC — 2006-2008

As a research assistant, I was a lead GIS role in integrating GPS data for a NSF grant project focusing on the intertidal zone and the effects of climate change on species distribution.

### Cartography Assistant, University of South Carolina Geography Department

Columbia, SC — 2006-2007

## EDUCATION

### Midlands Technical College, Coursework in Java programming and database development

### University of South Carolina, B.S. Marine Science 2008

### North Carolina State University, Masters of Geospatial Information Science and Technology 2015

## PROFESSIONAL ORGANIZATIONS

- Phi Kappa Phi Honor Society
- Association for Computing Machinery - SIGSPATIAL

## CODE / APPLICATION SAMPLES

Available at http://github.com/resume

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## Awards

Excellence in Innovation Award - Ocean Law Search

2014 Esri Developer Conference Hackathon 3rd Place (Citizen Reporter Application)

2015 Climate Resilience Hackathon Honorable Mention

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