

John J Czaplewski

Mapper | Engineer | Designer

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Skills

Front | HTML, CSS,
Javascript, D3, jQuery,
Leaflet, Bootstrap,
Wordpress, Angular

Back | Node.js, nginx,
Apache, Grunt, Gulp,
AWS, Heroku, Python,
Bash

Geo | PostGIS, Tilemill,
TopoJSON, CartoDB,
QGIS, ArcGIS, GDAL/
OGR, Turf

Database | PostgreSQL,
MySQL/MariaDB,
MongoDB

Design | Responsive web
& mobile design, Adobe
Illustrator, Photoshop,
Fireworks, and InDesign

Awards

-NACIS Student Travel
Grant, 2012
-Wisconsin Union Hooper
Leadership Award,
2011
-Deans List, 2007

Experience

UW Geoscience - *Programmer Analyst* - May 2013 to Present

Lead engineer of two NSF grants. Design, build, and implement full-stack web applications, including database design, API authoring, and front-end development. Create open source tools and utilities to enable scientific research.

CFIRE - *Spatial IT Research Intern* - Oct. 2012 to Apr. 2013

Support freight infrastructure research by creating map-based visualizations using Leaflet, D3, Python, and various web development frameworks.

Wisconsin State Cartographer's Office - *GIS/Web Support Technician* - Nov. 2011 to Jan. 2013

Maintain online GIS databases and custom web mapping applications. Thoroughly document procedures and metadata using internal wiki. Support various long term projects and publications with research and design expertise. Build a custom web mapping application using Leaflet and PostGIS.

Hooper Mountaineering Club - *Technology Chair* - 2012 to 2013

Overhaul hoopermountaineering.org; involved setting up and designing a new website based on Wordpress and migrating content from Joomla. Also created an internal wiki to document this process as well as other administrative tasks. Manage email lists and social media.

UW Cartography Lab - *Student/Research Participant* - Jan. 2012 to Aug. 2012

A semester-long independent study in Cartography under the direction of Tanya Buckingham exploring various cartographic techniques and skills. Research participant for Robert Roth during the summer of 2012; tasked with learning D3.js and building a fully functional web map in 40 hours.

Education

University of Wisconsin - Madison

Graduate Certificate, GIS Dec. 2012

Bachelor of Arts in Political Science May 2011

Leadership

Hooper Council Renovations Chair - 2010 to 2011

Collaborate with architects and Union directors on a \$52 million building project, while representing the interests of 2,100 people and a \$1.2 million budget during Union renovations.

Union South Climbing Wall Committee Chair - 2010 to 2011

Draft an operating procedure, marketing plan, and programming for a new climbing wall. Devise an agenda and manage weekly meetings for a committee comprised of Union directors and student leaders.

Hooper Mountaineering Club President - 2009 to 2010

Chair meetings of a 160-member club and act as a liaison to other clubs and the University. Collaborate with others to create and run events for the club.