KATIE KOWALSKY

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Work Experience

Data Journalist
Wisconsin Center for Investigative Journalism
July - December 2015
- Created interactive visualizations for a series of articles related to drinking water contamination
- Utilized mapping technologies such as D3.js, leaflet.js & CartoDB on a Bootstrap framework
- Compiled and analyzed data in SQL database using PostGIS & PostgreSQL

Teaching Assistant
Girls Who Code   May 2015 - present
- Led group of 20 high school girls in instruction about the essentials of computer programming
- Taught the basics of CS through Python, robotics, web design in HTML/CSS and Javascript & APIs
- Encouraged and inspired students to study and work in computer science in the future

Cartographer
UW Cartography Lab   May 2014 - present
- Worked with a variety of clients to create maps
- Organized and managed geospatial databases for clients in Excel, ArcMap, and SQL
- Built an interactive teaching curriculum for K-12 students about Geography/Cartography
- Researched advanced CartoCSS aesthetic styles

Computer Services Lead
UW College Library   August 2013 - present
- Provided IT assistance to various patrons to the largest undergraduate library on campus
- Spearhead projects to improve efficiency in technology circulation
- Managed over 30 student employees and trained them in IT skills and best practices
- Create graphics to inform patrons about changes in the library, new technology, and tutorials

Awards & Honors

Arthur Robinson Student Mapmaking Award, Honorable Mention
- CO$_2$ Emissions Cartogram, 2013

David Woodward Student Interactive Mapmaking Award, Honorable Mention
- Your Body, (Not) Your Choice, 2014

NACIS Travel & Membership Grants
- North American Cartographic Information Society, 2014

Volunteer Work

Maptime Co-Organizer
October 2014 - present
- Organizes montly meetup about open source tech related to maps in Madison, WI
- Teaches groups of 20 - 30 adults with a variety of skill levels about web mapping & open source data

Maptime HQ Outreach Lead
July 2015 - present
- Maintain a strong social media presence to inform about our organization with over 100 chapters
- Write blog posts & maintain monthly newsletters to promote the growth and changes happening

NACIS Social Media Director
June 2014 - present
- Revitalized social media strategy for a professional cartography and GIS organization
- Promoted growth in yearly conference attendance and attention to various side projects with 500% growth in Twitter audience within a year

Education

University of Wisconsin-Madison, BS
Cartography/GIS major
- September 2012 - May 2016
- Participated in Badger Cheese Club & Chazen Art Ambassadors
- GPA: 3.2

Cartography/Design Skills
- Adobe Illustrator CS4 - CC
- Adobe Photoshop CS4 - CC
- Adobe InDesign CS6 - CC
- ArcGIS
- CartoDB
- Mapbox Studio/Tilemill
- QGIS 2.1 - 2.10

Programming Skills
- CartoCSS
- Git
- HTML/CSS
- Java
- Javascript (leaflet.js, d3.js, jQuery.js, mapbox.js)
- PostgreSQL/PostGIS
- Python