jacciz.shinyapps.io/portfolio ■ (920) 410-5910 ■ **JACCI ZIEBERT** ■ jacciziebert@gmail.com ■ github.com/jacciz

SKILLS

- R (dplyr, data.table, sf, janitor, purrr, kableExtra)
- Dashboards, web apps, and data visualizations (Shiny, flexdashboard, leaflet, plotly, ggplot2, pool, golem)
- SQL databases (RSQLite and duckdb R packages)
- CSS, HTML
- Docker, Git

EXPERIENCE

Wisconsin Department of Transportation   Madison, WI
Highway Safety Analyst   May 2019 – Present
- Developed a Crash Data Dashboard in R Shiny with multi-selection capabilities and a dynamic map
- Wrote a parameterized R Markdown to fully automate the creation of 72 crash data county profiles (tiny.cc/46unuz)
- Developed an R package for data pulls and data analysis for our crash database
- Used an API to collect court case data then flattening JSON file, cleaning data, and running analysis
- Fulfill data requests on a daily basis using R notebooks for analysis and data viz and exporting as Powerpoint, HTML or CSV

Mandli Communications   Madison, WI
Data Processor   Dec. 2016 – May 2019
- Analyze, classify, and process LiDAR data maintaining above average speed, occasionally perform quality control

Wisconsin Department of Transportation   Madison, WI
Traffic Forecaster (Part-time)   Feb. 2014 – July 2015 & Feb. 2017 - June 2018
- Completed statewide traffic forecast requests through the use of travel demand models and regression analysis of historical counts on a weekly basis
- Provided expertise on completed forecast requests to MPOs, DOT regions and consultants
- Conducted research and learned VBA to develop a macro-enabled Excel worksheet, improving and streamlining the department's method to forecast turning movement counts

Wisconsin Department of Transportation   Madison, WI
Bicycle and Pedestrian Intern (Part-time)   Mar. 2015 – July 2015
- Learned ADA standards in order to digitize and assess statewide curb ramps and sidewalks in ArcMap
- Learned about bike/pedestrian safety and design and the benefits of complete streets through five day-long courses

Dane County Board of Supervisors   Madison, WI
Planning Intern   June 2013 –Dec. 2013
- Updated thirty maps, chapter information 0and socioeconomic data for the 5-year update on the Comprehensive Plan

National Center for Freight and Infrastructure Research and Education (CFIRE)   Madison, WI
Research Assistant   May 2013 – May 2014
- Streamlined a set of ArcMap tools in ModelBuilder to transform data and to analyze business hot spots

AWARDS

WisDOT Crash Dashboard won runner-up under **Interactive Map category:** 2021 Wisconsin Land Information Association map contest (http://jacciz.shinyapps.io/Shiny_Crashes)

EDUCATION

University of Wisconsin – Madison   Madison, WI
Master of Urban and Regional Planning   Graduation: May 2014
Certificate in Transportation Management and Policy   Cumulative GPA: 3.5/4.0
Specialization: Transportation Planning

University of Wisconsin – Oshkosh   Oshkosh, WI
Bachelor of Science   Graduation: December 2010
Double Major*:* Geography (GIS) and Urban Planning   Cumulative GPA: 3.1/4.0