

# Kray Freestone

[freestonekray@gmail.com](mailto:freestonekray@gmail.com)

<https://freestok.github.io>

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## PROFESSIONAL EXPERIENCE

### North Point Geographic Solutions

*GIS Web Developer*

Maintain and add features to front-end & back-end REST API of a public-facing [Minnesota census tool](#)  
Create and maintain web applications built in AngularJS, Angular 2+, and React  
Help with the deployment and upgrade of client ArcGIS Enterprise instances  
Processing and visualizing millions of records in Python & PostgreSQL for broadband data nationwide  
Integrate ETL pipelines through the ArcGIS Python API, executing scripts in AWS, locally, or in ArcGIS Notebooks  
Set-up automatic building & deployment of applications through Atlassian Bamboo

**Remote**

*Oct. 2020-Present*

### Wightman

*GIS Technician*

Created supplementary website for ArcGIS Workforce with Python & JavaScript  
Created a COVID-19 Dashboard for organization displaying cases via ArcGIS Online & Python API  
Automated data update via Python for the Berrien County Health Department's COVID-19 Dashboard  
Clean and process data through Python automation  
Train clients on the use of Survey123, Collector, Workforce, ArcGIS Online, and ArcGIS Pro

**Kalamazoo, MI**

*Sept. 2018-Oct.2020*

### Grand Rapids Parks & Recreation

*GIS Consultant*

Updated the department's cemetery ArcGIS Online web applications through Python automation

**Grand Rapids, MI**

*Feb 2018-April 2018*

*GIS Technician Intern*

Collected, verified, and digitized data through ArcGIS pertaining to the City of Grand Rapids Cemeteries

*June 2016-Dec 2016*

## FREELANCE EXPERIENCE

### Holland Rescue Mission

*GIS Specialist Consultant*

Geocoded 10,000+ donor addresses  
Analyzed donor demographics

**Holland, MI**

*Jan 2017-Aug 2018*

## TECHNICAL SKILLS

**Software:** ArcGIS 10.x/Pro, GDAL, Microsoft Office, Illustrator & Photoshop (working knowledge)

**Languages:** Python, JavaScript (TypeScript), HTML/CSS, R, Java

**JavaScript Frameworks:** AngularJS, Angular 2+, React

**Version Control:** GIT

**Libraries:** ArcGIS APIs (Python, JavaScript), Flask, Mapbox GL JS, Leaflet, pandas, geopandas, d3

**Databases:** PostgreSQL/PostGIS

## EDUCATION

### University of Wisconsin-Madison

M.Sc in GIS Development & Cartography

**Remote Learning**

*Graduated Dec 2022*

### Grand Valley State University

*Frederik Meijer Honors College*

Bachelor of Science in Geography and Urban Planning

**Allendale, MI**

*Graduated Dec 2016*