

Clayton Groth

(608) 498-7370

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Full stack Developer skilled in NodeJS, ReactJS, and Python. Experienced in working on remote teams. Go-getter and a team-player.

<https://github.com/claytongroth>

Experience

Digital Locale

6/2019-Present | Full stack Developer

I work on a team developing a travel/mapping application as a full stack developer. I use React, Sequelize, Express, React-Redux, React-Mapbox-gl wrapper, and much more.

JavaScript and Database Tutoring (HeyTutor)

4/2019-9/2019 | Instructor

Taught students basic to intermediate JavaScript, Python, and SQL. Students were prospective code bootcamp students or university level students.

Coding With Kids

4/2019-9/2019 | Instructor

Taught students from k-5 to middle school a basic coding curriculum. I enjoyed engaging with students and getting them excited about learning to code!

State Cartographer's Office (UW Madison)

9/2018-4/2019 | GIS Developer

Created applications and tools for various SCO needs. Created web applications for visualizing spatial and tabular data with ReactJS. Built Python tools for customized spatial analysis as well as data processing and analysis. Wrote queries for sorting very large datasets.

TDS

9/2018-4/2019 | Data Analytics Intern

Updated and wrote code for applications in ReactJS, some AngularJS, and JavaScript data-visualization libraries. Wrote complex queries for various business tools and analyses. Gained experience in the process of software development for a large variety of purposes.

Education

UW Madison | M.S. Geospatial Programming

Started Sept. 2017 | Completed: August 2019

Gained extensive experience writing code for geospatial applications, both front and back end.

UW Madison | B.S. Environmental Science

Started Sept. 2011 | Completed May 2016

Double major in Philosophy. Focus in mapping climatological data for air quality.



Skills

- **JavaScript (4+ years)**
 - **React (3+ years)**
 - Redux
 - Hooks
 - React-Router
 - Apollo + GraphQL
 - React-Native
 - Mongoose
 - Sequelize
 - Node.js
 - Leaflet, Mapbox-gl, Carto
 - Express
 - Angular exposure
- **Python (3+ years)**
 - NumPy
 - Pandas
 - NetworkX
 - Scraping libraries (BeautifulSoup, Scrapy)
 - Fiona
 - Shapely
 - Matplotlib
 - SciKitLearn
 - Flask
 - Django
 - OSMNX (Open Street Map Networks)
- SQL (3+ years)
 - Oracle SQL Developer
 - SqlLite
- MongoDB (1+ years)
- GraphQL (recent experience)
- FireBase (recent experience)
- PostgreSQL + PostGIS (2+ years)
- HTML/CSS (4+ years)
- Responsive web design (3+ years)
- Git (3+ years)
- Npm (3+ years)
- Unix/Linux (5+ years)
- Java (1+ years)
- Excellent interpersonal communication skills
- Outstanding work ethic