

JESSE FRIED

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PROFESSIONAL

Florida Geologic Survey, Department of Environmental Protection, Tallahassee, FL

Environmental Specialist II (January 2023– present)

- Develop Python scripts to automate migration of geological data to new, federally standardized schema
- Assist professional geologists in creating published geologic maps according to federal standards
- Support survey's STATEMAP initiative to organize statewide digital geologic map data.

Florida Rural Water Association Tallahassee, FL

Engineering Group Support (May 2021– January 2022)

- Interviewed over 30 water systems across Florida about their infrastructure and reported on them for federal Drinking Water Infrastructure Needs Survey Assessment (DWINSA)
- Assisted engineers with GIS, drafting reports, and client communication
- Coordinated site visits, classes, training sessions Florida Rural Water's Apprenticeship Program

Florida State University, Department of Geography Tallahassee, FL

Graduate Assistant in Teaching (January 2021– May 2023), part time

- Used ESRI ArcGIS Pro to teach three semesters of undergraduate GIS lab sections
- Explained fundamental GIS concepts in both group and individualized settings
- Graded coursework for Physical Geography, World Geography

ASCAP (American Society of Composers, Authors and Publishers) New York, NY

Software Developer (May 2014 - July 2019)

- Built and maintained web applications on team of front-end web developers
- Created front-end interfaces for new products for ASCAP members
- Collaborated cross-functionally within a large IT department
- Continually learned and implemented new front-end frameworks, technologies
- Collaborated with design team to create high quality user experiences.

RESEARCH

Florida State University, Department of Geography, Tallahassee, FL

- Defended masters thesis *Racialized Politics of Drinking Water Chemistry: The Case of Newark's Lead Crisis*, April 2023
- Engaged with latest research on lead corrosion chemistry
- Critically assessed water quality rules under Safe Drinking Water Act
- Interviewed leading NJ water professionals, regulators, community members
- Traced effects of ageing infrastructure on water quality in Newark, NJ's municipal water utility

EDUCATION

MS in Geography, May 2023: Florida State University, Tallahassee, FL

- Coursework in GIS, data analysis, statistical modeling

BA in Religion, 2012: Amherst College, Amherst, MA

- Coursework in chemistry

SKILLS, INTERESTS

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|---|---|---------------------------|
| • Full suite of ESRI products | • Cartography, geovisualization | • Surface water treatment |
| • Python: Geopandas, Fiona, ArcPy, Matplotlib | • Web development: Vue.js, Django, CSS, HTML5 | |
| • R | | |
| • AutoCAD | | |