

# WESTLY OWINGS

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## EDUCATION

Florida State University (FSU), Tallahassee, FL

Graduation: July 2020

**Bachelor of Science in Geology**

**FSU GPA: 3.4**

## PROFESSIONAL PROFILE

- 1+ year of experience in laboratory setting working with stable carbon, oxygen, and sulfur isotopes
- 2+ years of experience in geologic data analysis for the Florida state government
- Recently moved to the greater Denver area for more opportunities in the public and private sector

## RELATED EXPERIENCE

Young Biogeochemical Research Group

June 2019 – July 2020

### Student Laboratory Assistant

- Provide lithologic and geochemical analysis for Baltoscandian sample series
- Create data figures regarding Ordovician carbonates with regional correlation
- Chromium Reducible Sulfide Extraction-Stable Sulfur Isotopes, Pyrite Concentrations
- Sequential Iron Extraction-Iron Concentrations for Determining Redox Conditions
- Preparation for Agilent 7500 Quadrupol ICP-MS-Sequential Dilutions
- Sample Preparation-Archiving for Primary Investigator

Florida Department of Environmental Protection (DEP), Tallahassee, FL

October 2017- January 2020

### Environmental Specialist (Florida Geological Survey)

- Sediment and soil analysis.
- Lithologic data analysis/interpretation
- Interpret utility maps and sketches, data editing and manipulation and analysis within GIS, project specific specification review, technical documentation, data quality control and assurance.
- Apply GIS technology to produce and develop digital data, databases, documentation, and other information in support of the County's GIS program.
- Knowledge of relevant state geology, EPA and DEP rules, regulations, policies, and procedures.

## EDUCATION-RELATED EXPERIENCE

FSU Earth, Ocean, & Atmospheric Science Department, Tallahassee, FL

### Sedimentation and Stratigraphy

August 2019- December 2019

- Develop an understanding of the origin and nature of sedimentary rocks.
- Rock and soil identification.
- Foster knowledge of sediments, sedimentary rocks, and environments of deposition.

### Structural Geology

January 2019- May 2019

- Understanding of material behavior, strain, and fracture.
- Geologic phenomena such as faulting, jointing, and tectonic movement.
- Familiarity with the use of geologic tools, geophysical principles, and the scientific method with respect to understanding geologic processes and earth systems.

### Remote Sensing and GIS

August 2019- December 2019

- Provided overview of scientific background and application of remote sensing and geographic information systems (GIS) to the Earth and environmental sciences.

### Mineralogy and Crystallography

August 2018- December 2018

- Identified mineral species in thin sections
- Determined stoichiometry of mineral solid solution
- Developed lab experience with various techniques such as optical microscopy and X-ray diffraction

## SKILLS & LANGUAGES

Computer Programming: **ArcGIS, Adobe Illustrator, and Microsoft Office: Excel, Outlook, Word, PowerPoint**

## REFERENCES

Alan Baker  
Professional Geologist-Florida Geological Survey  
[Alan.Baker@dep.state.fl.us](mailto:Alan.Baker@dep.state.fl.us)  
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