

Kyle Sexton

ksexton.exe@gmail.com

(850)240-6650

<https://github.com/sxtnkyl>

<https://sxtnkyl.github.io/portfolio2020/>

A former geologist looking to mine a new career in full stack web development

Education

B.S., Major Geology, Minor Geospatial Information Analysis, University of Florida, 2013

Employment History

- CH2M HILL, Inc./Jacobs; Atlanta, Georgia; Geologist 2 – July 2017 through October 2018
- United Consulting LLC.; Norcross, Georgia; Project Geologist – August 2014 through July 2017
- University of Florida; Gainesville, Florida; Field Researcher/GIS Analyst – August 2012 through June 2014

Web Development Experience

IDE/Scripting Languages

- Github/Gitbash
- Visual Studio Code
- HTML, CSS, JavaScript, JS Canvas

Front End

React, React Spring, React Router, Styled Components, Material UI, Axios/Fetch API, P5, Markdown, Bootstrap

Back End

CORS Integration, AWS S3/Route 53/Lambda/IAM/API Gateway/SES/Cloud Watch, Dotenv, Express, Nodemon, Hashing, PostgreSQL, Postman

Notable Projects

HandSampler; An exercise in exploring various Material-UI components and form construction. Progress through a series of questions with different submission methods and layouts to generate a soil sample name. Can be applied for field use or a learning tool.

Pokedex2020; This dynamically fetching front end desktop application has the ability to search each generation of pokemon and display their important data. A sleek user interface allows for transition into future back end based services including user profile login, building and saving of teams, and team-typing data analytics of saved teams.

Pomodoro; Pomodoro timer using React hooks to accept minute values for a session and break interval, display the real time countdown, repeat the intervals, and track the number of cycles completed

Url Shortener; A full-stack project utilizing front-end React, Express API, and postgresQL for back-end database. The user submits a url, where the API checks the database for a match to an existing entry. If the submitted url is new, a six character code is generated using the first and last three characters of a sha256 hashing result

Certifications/Associations

- FreeCodeCamp Responsive Web Design
- FreeCodeCamp Javascript Algorithms and Data Structures
- FreeCodeCamp Front End Libraries
- Udemy JS Algorithms and Data Structures Master class
- Levelup Tutorials- Animating React
- ReactATL Meetup Group

Distinguishing Qualifications

- Over three years of independent task management experience with investigations including municipal and federal projects
- Experience in handling both public and private clients across the U.S.
- Proven ability to collaborate with other disciplines within the company to solve complex problems
- Mentoring new staff in fundamentals and application of scientific principles
- Expansion of company services through research, acquisition, and application of new technologies
- Independently motivated, self-taught web development with career transition in less than one year

Experience Prior to Web Development

Team Field Lead; (Proprietary Client); Lewis Drive Remediation, South Carolina; 2018. Team field lead for the monthly LNAPL site analysis and remediation. Duties included planning and leading a team of 3 to 6 people, enforcing site safety procedures, collection and delivery of field data, coordinating with multiple contractors, leading client site visits, and generation of monthly chemical analysis from collected data.

Lead Project Geologist; Central Avenue Bridge Replacement; ARCADIS, Georgia; 2017. Project manager for the Georgia DOT investigation of Central Avenue. Duties included collection of historic utility records, coordinating schedule and site walks with the client and stakeholders, identification of under and above ground utilities, and delivery of CAD survey files.

Project Geologist; Water Main Break Investigations; City of Atlanta, Georgia; 2016. Task manager for the subsurface investigation of a large city water main break. Duties included collection of historic area documents, delineation of impacted soils with GPR, and recommendations of remedial actions based on the collected data. Deliverable led to the City's preference of our services in future cases of similar nature.

Project Geologist; City of Atlanta Horizontal Well Planning; City of Atlanta, Georgia; 2014. Geologist tasked with the logging thousands of feet of lithological strata and performance of packer tests for future water reservoir. Duties included recording rock type, fracture plane matrices, rock quality, as well as the construction and supervising of various packer tests.