Caleb R. Smith

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Profile

I'm a software engineer and GIS professional based in the Orem/Provo Metro area. I'm a driven problem solver who specializes in web development, web mapping applications, spatial data visualization, GIS analyses, and spatial database management.

Skills

Back-End	Front-end	Tooling	Cloud
Node.js, Express, PostgreSQL, SQL	*JavaScript (ES6), HTML/CSS*	*Git/GitHub, Linux, QGIS, VS Code, ESRI*	Heroku

Qualifications

Programming and Web Development Experience   Sept 2019 - Current

- Designed and developed the *Philmont Scout Ranch web mapping application* using technologies: node.js, leaflet.js, and GIS tools.
- Used Python and ArcPy to design, implement, and optimize an ArcGIS Pro script to solve the multi-facility location problem.
- Developed and deployed multiple node applications (to-do tracker, GeoQuizzer) using technologies: node, express, JavaScript, postgreSQL, git, Heroku
- 500+ hours of web development course work. Topics include: JavaScript Language fundamentals, networking, networked applications, database fundamentals, HTML/CSS, and Front-end JavaScript.
- Various university programming courses using technologies: C++, C#, Python, JavaScript, GIS scripting, web mapping.

Professional GIS Experience, *Various Employers*   2018 - Current

- Design, develop, maintain and/or program GIS applications and scripts using ESRI development products, python, JavaScript, and SQL to assist office personnel acquire, catalog, display, and analyze spatial data.
- Created, and executed GIS course curriculum as a GIS help desk specialist, trainer, and teaching assistant for students and office personnel.
- Designing and producing maps and graphic products using GIS for local and public agencies.
- Performing high-level spatial analysis of geographic data to assist in local government functions.

Education

Core Curriculum Graduate, *Launch School*   Sept, 2020 - Current
Full-stack Web Development

Bachelor of Science, *Brigham Young University*   **Graduation**: April 2020
Geography: Geospatial Science and Technology   **GPA**: 3.62

Other

Training: 50+ hours of Pluralsight training
Misc: Eagle Scout, Spanish Proficiency, technical writing proficiency
Interests: Running, Reading, Dungeons & Dragons