




**Zach  
Marschik  
GIS Analyst**

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**Personal  
Statement**

I am an experienced GIS Analyst with web development knowledge. My skills are well-rounded, and I have worked on a variety of different types of projects. I aim to find a position where: my skillset can be properly utilized, I can be challenged, and I can continue to learn and grow.

**Skills**

**GIS**

- Experienced working with and being an administrator of the **ArcGIS** software package.
- Regularly used extensions including: **3D, Geostatistical, Network, Spatial, Tracking.**
- Web mapping experience – Using **Geocortex, nexVIEWer Flex, and Web Appbuilder**
- Knowledge of a wide variety of tools, and experience performing many types of analyses.
- Field work experience; using **GPS** tools including **Trimble** products.
- Experience with **geodatabases**, database **versioning**, and **ArcSDE**.
- Basic experience with **3D visualization** and **remote sensing**.
- Beginning to learn **ArcGIS Web APIs**, plan to be able to utilize in near future.

**Development**

- Working knowledge of front-end development with both **JavaScript** and **PHP**.
- Experienced with **python** (specifically **arcpy**) for process scripting.
- Strong **SQL** experience, including **PL/SQL (Oracle)** development (package creation, auditing, etc.)
- Basic knowledge of JS libraries/tools including: **React.js, D3.js, JSX, ES6, Babel**, etc.
- Often used version control – including **Git, Subversion**, and **ArcSDE versioning**.
- Knowledge of **command line** and some UNIX commands.
- Basic experience with server-side development with **node.js** and **npm**.

**Experience**

03/16 – present

**Oklahoma State University (Software Services)** – Stillwater, OK

**Application Developer**

- Create PL/SQL packages; create processes using shell scripts.
- Create web applications using PHP; maintain software download center.
- Work with Ellucian products: DegreeWorks scribe, Banner, FormFusion, etc.

04/15 – 03/16

**Devon Energy** – Oklahoma City, OK

**GIS Contractor**

- Create maps for various groups within Devon including Marketing, EHS, and Engineering.
- Use Facility Manager to upload lines into the PODS database and to manage pipeline data.
- Create python scripts to automate data import and processing tasks.

05/14 – 03/15

**Samson Resources** – Tulsa, OK

**GIS Analyst**

- Used Network Analyst (Vehicle Routing) to create least-cost routes for pumpers.
- Created and maintained map books using data-driven pages.
- Often had to interpret legal descriptions and engineering drawings.
- Submitted necessary spatial data to regulatory agencies: OneCall, TRRC, NDIC, etc.

**Education**

09/15 – 11/15

**OK Coders Web Development Bootcamp** – Oklahoma City, OK

**Certificate in Full-Stack Web Development**

- Skills covered: HTML5/CSS3, JavaScript, jQuery, Node.js, Express, ejs, MongoDB, Mongoose.
- Essentials: Functions, Scope, Data Structures, Routing, Rendering and Templates, MVC.

08/09 – 05/14

**Oklahoma State University**– Stillwater, OK

**B.S. Geography, GIS Certification**

- Acquired strong GIS knowledge from classes: GIS Programming, Database Management, Spatial Analysis, Socio-Economic GIS, Natural Resource GIS, Geodata Collection, and Cartography.
- President of Geography Club.