
Joshua Rodriguez

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SKILLS & QUALIFICATIONS

Software	Languages	Equipment Experience	Disciplines
<ul style="list-style-type: none">• ArcGIS• Adobe Illustrator & Photoshop• AutoCAD• Microsoft: Word, Excel, & Office• ENVI	<ul style="list-style-type: none">• Python• HTML• CSS• Javascript• JQuery• SQL• Fortran	<ul style="list-style-type: none">• ArcPad• GeoExplorer Series GPS unit• Total station• Garmin GPS Unit	<ul style="list-style-type: none">• GIS Analysis• Programming• Web Development• Cartographic Design• Graphic Design• Remote Sensing

EDUCATION

8/09-12/16 **B.S. Environmental Science (Geospatial Option)**, *Humboldt State University - Arcata, CA*

PROFESSIONAL EXPERIENCE

- 8/17-10/18 **GIS Technician**, *Apple via Apex Systems - Sunnyvale, CA* - Responsible for content analysis, validation, cleansing, collection and reporting. Analyze and validate data content and assemble new content from various sources, including databases, and files/spreadsheets. Respond to data inquiries from various groups within the organization. Create and publish regularly scheduled and/or ad hoc reports as needed. Lead a specialized team of technicians in the evaluation, management, editing, and production of geo-spatial data.
- 9/16-3/17 **Assistant for Geospatial Database Management**, *Humboldt State University - Arcata, CA*
Provided technical assistance in developing and manipulating environmental and geographic data for geospatial analysis. Database management tasks included proper file organization, joining database tables and extracting geospatial data, which ultimately was processed into a geo-database. Manipulated text, CSV, and GIS data using spreadsheets, databases, and ESRI software. Developed batch processing scripts to run spatial analysis tools coordinating Python with ArcGIS.
- 9/16-12/16 **Front-End Web Developer**, *Pacific Watershed Associates (PWA) - Arcata, CA*
Tasked to develop an enterprise level interactive map for PWA by completing the overall design, and functionality of the map to display relevant stream data from PWA's Telemeter devices. Created functionality of accessing live data by utilizing a web-service call and displaying the desired data in a Javascript charting package from user selected time and stream measurement options, as well as displaying their geographic locations and device names.
- 6/15-12/16 **Geospatial Analysis Intern/Web Developer**, *Humboldt State University - Arcata, CA*
Responsible for aiding in the development and completion of a new interactive map for Humboldt State University using HTML, CSS, and Javascript/JQuery. Tasks included database management, file organization, generating web icons utilizing Adobe Illustrator and Photoshop, and completing the overall design and interactivity of the project.