MADELEINE PRAK

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SUMMARY

Highly driven and adaptable GIS data specialist with a background in customer-based work and a passion for data visualization. Worked previously at a transportation consulting firm on a variety of projects specializing in ArcGIS products. Experienced in the full process of GIS including data collection, validation, analysis and visualization. Also skilled in other tools that benefit GIS such as Python scripting, SQL queries, monthly reports in Tableau, 3D visualization, stylesheets and more.

TECHNICAL SKILLS

Languages: Python Scripting, SQL, HTML/CSS, JSON, JavaScript
Applications: ArcGIS Products (ArcGIS Pro, ArcMap, Survey123, Collector, ArcGIS Online, Story Maps), Tableau, Autodesk Products (AutoCAD, Civil3D, 3Ds Max), jQuery, NodeJS
Other: MySQL Workbench, Microsoft SQL Server, Git GUI, Git Bash, Visual Studio Code, MongoDB, OpenStreetMap, JOSM, Overpass, Mapcss

WORK EXPERIENCE

Geographic Information Systems Technician   May 2020 – Present
Apple Inc (through Mindlance Inc)
Seattle, WA
- Perform data curation, data analysis, data validation and quality control on substantial data
- Write queries that pull from a large API database to efficiently achieve objectives
- Develop a stylesheet that internal team utilizes to benefit data analysis in large project
- Produce and maintain documentation on trends in data for weekly summary reports
- Research and provide detailed data reports for upper management to improve strategies
- Take on special projects working directly with leadership

Geographic Information Systems Technician   Jan 2019 – May 2020
The Transpo Group
Kirkland, WA
- Perform analysis on large data sets consisting of tens of thousands of rows for Americans with Disabilities Act Transition Plans and write SQL queries to maintain and update data. Output several standardized maps for each project in a final report
- Using the ArcGIS Online platform to create over 10 web map applications and story maps for various projects and client view
- Process extensive excel data in Tableau to analyze monthly trends and write summaries
- Managed several projects for different clients and responsible for work across all business units, gaining effective problem-solving and communication skills
- Maintain Python scripts to automate tasks used by both internal and external teams, significantly cutting down long process times and ultimately benefiting future projects

EDUCATION

Bachelor of Arts in Geographic Information Systems: University of Washington, Seattle, WA
Minor in Informatics: University of Washington, Seattle, WA

Full Stack Web Development Certificate: University of Washington, Seattle, WA
Skills: HTML5, CSS3, JavaScript, jQuery, Firebase, NodeJS, MySQL, MongoDB, Express, ReactJS, REST API and more.