Brian Strock

Full Stack GIS Developer

Eden Prairie, MN

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323-384-2507

EXPERIENCE

**GIS Developer**

Ecolab GIS Center of Excellence – *Oct 2021 to Current*

* Designs software and data reporting tools to support Executive-level decision making based on business needs using a range of technologies, including Python, Jupyter, Spark, and machine learning
* Optimizes operational efficiency in route planning and territory management by applying geospatial best practices and analytical techniques to generate data-driven insights and analytics
* Authors production-level, version-controlled code while maintaining high level of test and documentation coverage
* Collaborates with stakeholders to understand business requirements and inform desired outcomes
* Generates and maintains organized, coordinated data engineering pipelines across multiple corporate enterprise systems

**Genius** (prev. Pro, Expert, Specialist)

Apple Store Ridgedale – *Aug 2011 to Oct 2021*

* Provided exceptional service and support to customers in remediating issues with their Apple products and accessories
* Performed software and hardware troubleshooting and repairs as an Apple Certified Mobile Device & Mac Repair Technician
* Maintained clear, accurate, and concise repair records according to internal policies and procedures
* Oversaw staff training and development in the areas of performance improvement, goal setting, and development

**AV Systems Support Engineer** (Career Experience)

Apple Retail Interactive Technolog*y* – *Jan 2021 to June 2021*

* Lead developer responsible for creating a full-stack ETL solution to integrate data captured in Slack with Tableau dashboard surfaces
* Performed all design, development, and production associated with this project, such as technical architecture, coding and development, UX/UI design, testing, and deployment

APTITUDES

* Writing clean, maintainable, well-documented code
* Applying object-oriented design patterns in Python
* Collaborative problem solving, creative solutions engineering
* UI/UX, engaging data visualization, pixel-perfect design
* Geospatial statistical analysis and data-driven insights
* Relating complex technical concepts to non-technical audiences

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linkedin.com/in/bstrockdev

github.com/bstrock

**EDUCATION**

Univ. of Wisconsin-Madison

**MS, GIS Development**

*graduating May 2022*

Univ. of Minn.-Twin Cities

**BS, Geography,** *2019*

*Minor in Urban Studies*

**DEVELOPMENT SKILLS**

* Python (Expert)
* Object-oriented programming
* Web Stack, Javascript, React.js
* Full Stack Development
* Web services (REST, SOAP)
* Github, CI/CD, version control
* Developer operations, IDEs
* Docker, Kubernetes, IAC
* Testing automation, software QA, pytest
* Azure DevOps and cloud services

**DATA ENGINEERING**

* PostgreSQL, SQL Server
* Data structures and algorithms
* ETL, data transformation
* Data visualization
* Database design, implementation, maintenance
* Pipeline design and implementation
* pandas, matplotlib, seaborn, SQLAlchemy
* Excel, Word, Office 365

**GIS FOCUS**

* ESRI Suite, ArcGIS Pro
* ArcGIS Enterprise, Server
* Spatial Data Science
* Python and automation for spatial data pipelines