Charlotte Roux

St. Paul MN
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Profile

Motivated problem solver with experience in complex data transfer interfaces and custom GIS tools looking to solve spatial problems and improve business process.

Experience

IOT Engineer Cognizant Software June 2021-May 2022
*Full Stack Development with Angular and Dotnet
*Python scripting, JavaScript and CSS
*Mapbox web API
Contracted to ConED Aug 2021-May 2022
*SQL database migration, management and construction
*Creation of batch scripts to extract and move data internally
*Technical and Functional Documentation
*Cx_Oracle/OracleDB
*Reverse engineered legacy perl code for migration into new data system
*Esri ArcGIS custom tool documentation
*ArcGIS mobile implementation documentation
*Develop and maintain proficiency with GIS software.

Preceptor for Macalester College February 2017-2019
*Assist students with completing coding-based assignments. Python and Java
*Grade homework assignments and communicate with Professors.

Projects

*Web API geocoding with frontend display
*3d drawing VR application
*Policy evaluation of MN urban gardening policy
*Co-op Policy Paper
*Unity 2d Stealth Game

Skills

*Microsoft Dotnet, Angular12,Entity Framework, SQLite
*Parallel programing
*Project Leadership/Scrum
*GIS Enterprise, ArcGIS,ArcFM
*ArcGIS JavaScript API
*C++, C#, Java, JavaScript, Python, Anaconda, css, html, type/javascript

*Cryptography/risk assessment
*Qualitative/Quantitative research methods
*Experience working remotely across different timescales.
*Experience with all Microsoft office tools
*Technical Writing, Performance Testing
*User Training
*Reverse engineering Perl Code

EDUCATION

Bachelor of Arts in Computer Science and Geography

Graduated May 2020 from Macalester College, Saint Paul, Minnesota