Frank_Wesley_Graham.xml

Summary

This data is to serve as a graphic representation of Frank Graham's resume for future employers.

Description

This map contains the compilation of Frank Graham's career. The map is composed of 4 layers: 'Experience.shp', 'Skills.shp', 'Areas_of_Interest.shp', and 'Education.ecw'. 'Education' is a raster layer that serves as the foundation for the map. 'Areas_of_Interest' are polygons displaying the areas in which Frank took interest in through education and research. 'Skills' are point data displaying the individual skills in each area of interest Frank possesses. 'Experience' are polygons displaying the titles Frank has assumed the role of during his career.
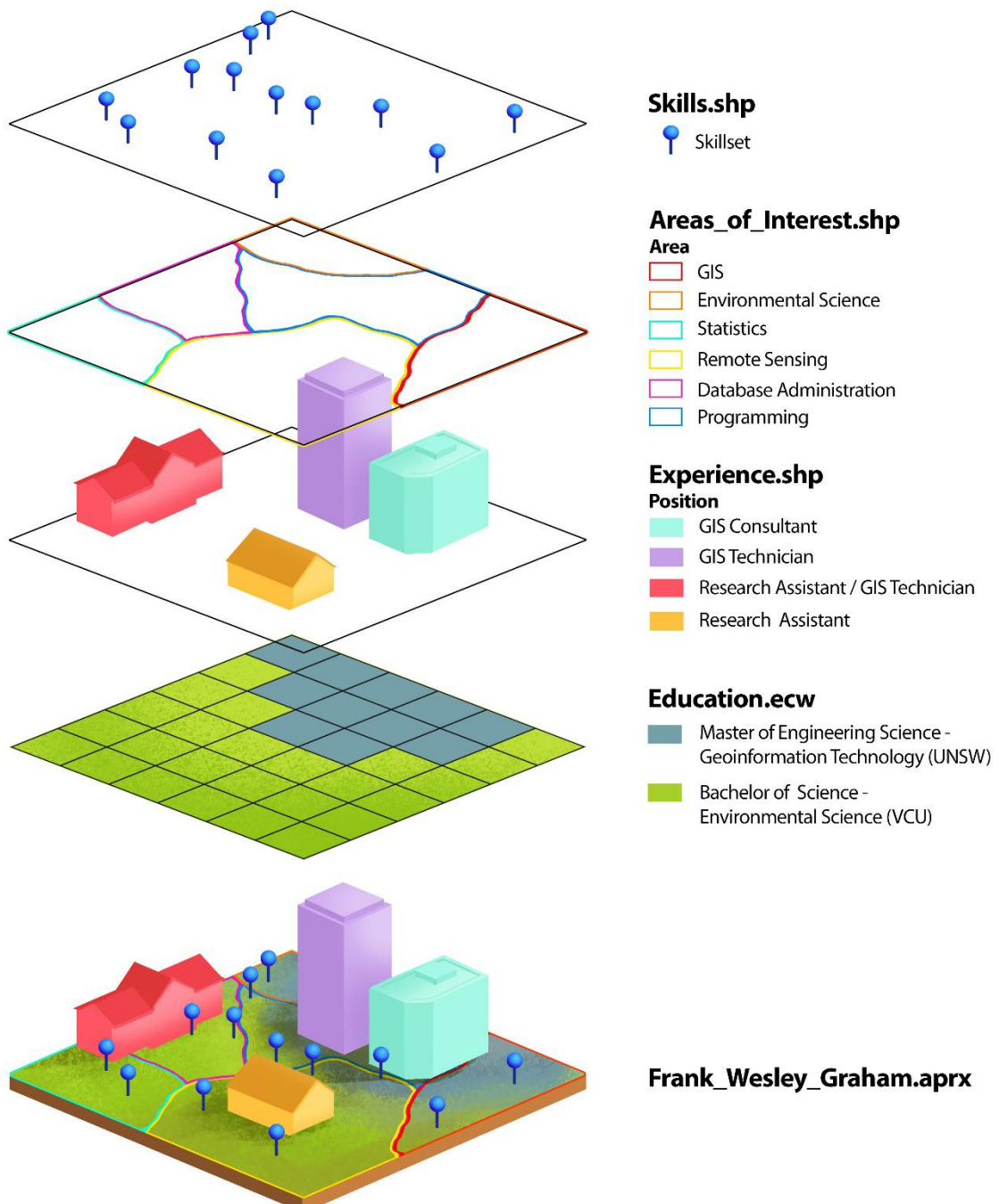
Credits

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Use limitations

Data is redistributable with the approval of the data provider.

Tags

CV, resume, skills, interests, experience, education, Frank Wesley Graham

Skills.shp

- Skillset

Areas_of_Interest.shp

Area
- GIS
- Environmental Science
- Statistics
- Remote Sensing
- Database Administration
- Programming

Experience.shp

Position
- GIS Consultant
- GIS Technician
- Research Assistant / GIS Technician
- Research Assistant

Education.ecw

- Master of Engineering Science - Geoinformation Technology (UNSW)
- Bachelor of Science - Environmental Science (VCU)

Frank_Wesley_Graham.aprx

```sql
SELECT      Title, Company, Supervisors, Roles
FROM        Experiences
ORDER BY    End_Date DESC;
```

Title	Company	Supervisors	Roles
GIS Analyst	MapData Services	Shannon Smith	- Design, production, and revision cartographic outputs for Health Sector using ArcGIS and Inkscape - Creation, maintenance, and management of spatial data using various software, including ArcGIS, QGIS, PostGIS, AWS, and FME - Analysis of state law and it's regards to geospatial data capture and boundary maintenance - Utilisation of FME Desktop, FME Server, and python to develop automated project workflows - Development of web maps and apps through ArcGIS Online for demoing data offerings - Utilisation of AWS S3 and Aurora for processing big data
GIS Consultant	Jacobs	Richard Lemon, Mary-Ellen Feeney, Jonathan Chen	- Design, production, and revision of high quality cartographic outputs - Creation, maintenance, and management of spatial data using various software, including ArcGIS, QGIS, FME, and Spatialite - Analysis, interpretation, and presentation of geospatial data - Utilisation of python to develop tools for automating project workflows - Development of web maps and apps through ArcGIS Online - Creation of maps and forms for mobile data collection in various platforms, including Avenza PDF maps, Arc Collector, and iForm
GIS Tech	DownerMouchel	Gavin Bolton	- Utilise kernel density estimations to display defect incidence rates of roads to aid in the development of new focus areas for pavement projects - Build webmaps in Leaflet to enable project managers to access project data on site - Migrate DownerMocuhel from ArcMap to open sourced QGIS to reduce operating costs

```sql
SELECT      Area_of_Interest.Area AS 'Area',
            GROUP_CONCAT(skills.program SEPERATOR ', ') AS 'Programs',
            GROUP_CONCAT(skills.skills SEPERATOR ', ') AS 'Skills'
FROM        Skills
JOIN        Area_of_Interest ON
            Skills.AoI_id = Area_of_Interest.id
GROUP BY    Area_of_Interest.Area;
```

Area	Programs	Skills
GIS	ArcGIS, QGIS, FME, Inkscape, Illustrator	Data interpretation, Data analysis, Geospatial algorithms, Metadata implementation, Cartography, Georeferencing, Image processing
Environmental Science	MaxEnt, GaBi, STELLA	Life cycle analysis, Material flow analysis, Product environmental footprint, System dynamics, Habitat modeling
Statistics	SPSS, Pandas, Scikit-Learn	ANOVA, Regression, k-Means, Random forests, Mixed models, Temporal spatial statistics
Remote Sensing	ArcGIS, ENVI	SAR, InSAR, DInSAR, LIDAR, Thermal, Photogrammetry
Database Administration	Spatialite/SQLite, PostGIS/PostgresSQL, AWS Aurora	Table creation, Schema creation, Advance queries, Indexing
Programming	ArcPy, PyQGIS, Jupyter Notebooks	Python, SQL