

## Frank\_Wesley\_Graham.xml

### Summary

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

### Description

This map contains the compilation of Wes 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 Wes took interest in through education and research. 'Skills' are point data displaying the individual skills in each area of interest Wes possesses. 'Experience' are polygons displaying the titles Wes has assumed the role of during his career.

### Credits

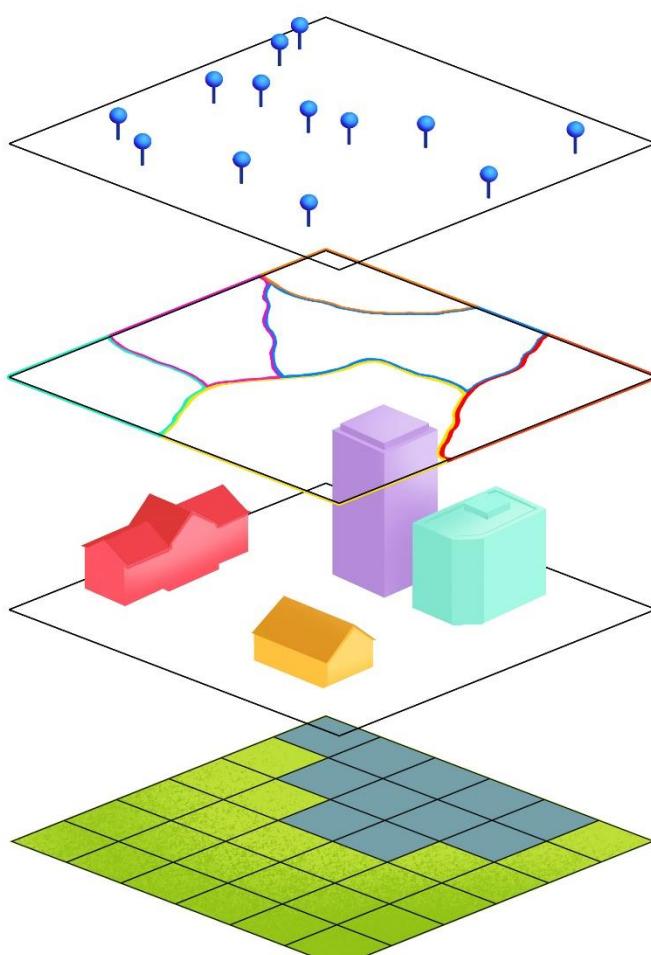
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### Use limitations

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

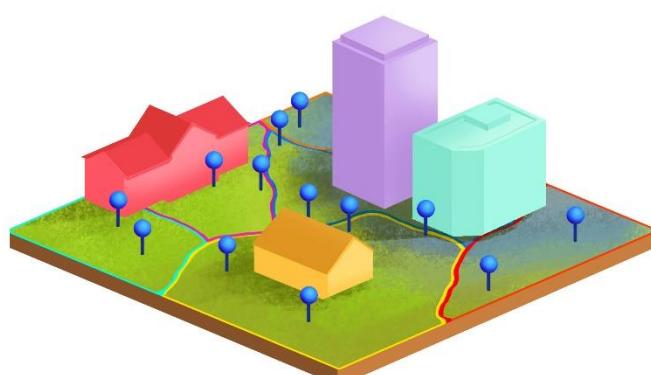
### Experience.shp

#### 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

```

SELECT Title, Company, Supervisors, Roles
FROM Experience
ORDER BY End_Date DESC;

```

Title	Company	Supervisors	Roles
GIS Officer	DCJ – Homes NSW	Martin Nunez	<ul style="list-style-type: none"> <li>- Development of scripts in python to automate GIS and data delivery tasks</li> <li>- Management and synchronization of property asset data in multiple data stores including HOMES, Qlik, and GIS</li> <li>- Creation, maintenance, and management of spatial data using various software, including ArcGIS, QGIS, and Qlik</li> <li>- Production of high-quality mapping products, including web and paper formats, for internal clients to support decision making</li> <li>- Deployment of mobile data capture applications through AGOL for property asset collection</li> </ul>
GIS Consultant	Esri Australia (formerly MapData Services)	Shannon Smith	<ul style="list-style-type: none"> <li>- Creation, maintenance, and management of spatial data using various software, including ArcGIS, QGIS, PostGIS, AWS, and FME</li> <li>- Analysis of state law and its regard to geospatial data capture and boundary maintenance</li> <li>- Utilisation of FME Desktop (Forms), FME Server (Flow), and python to develop automated project workflows and data analysis</li> <li>- Design, production, and revision of cartographic outputs for using ArcGIS and Inkscape</li> <li>- Development of web maps and apps through ArcGIS Online for demoing data offerings</li> <li>- Utilisation of AWS S3 and Athena for processing big data</li> </ul>
GIS Consultant	Jacobs	Richard Lemon, Mary-Ellen Feeney, Jonathan Chen	<ul style="list-style-type: none"> <li>- Design, production, and revision of high-quality cartographic outputs</li> <li>- Creation, maintenance, and management of spatial data using various software, including ArcGIS, QGIS, FME, and Spatialite</li> <li>- Analysis, modelling, interpretation, and presentation of geospatial data</li> <li>- Utilisation of python to develop tools for automating project workflows</li> <li>- Development of web maps and apps through ArcGIS Online</li> <li>- Creation of maps and forms for mobile data collection in various platforms, including Avenza PDF maps, Arc Collector, and iForm</li> </ul>

```

SELECT Area_of_Interest.Area AS 'Area',
       GROUP_CONCAT(program SEPARATOR ', ') AS 'Programs',
       GROUP_CONCAT(skills SEPARATOR ', ') AS 'Skills'
FROM Skills
JOIN Area_of_Interest ON
Skills.Aol_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
Programming	ArcPy, PyQGIS, Jupyter Notebooks, PostGIS	Python, SQL
Statistics	ArcGIS, SPSS, Pandas, SciPy	ANOVA, Regression, k-Means, Random forests, Mixed models, Machine Learning, Temporal spatial statistics
Database Administration	SQLite, PostGIS, PostgreSQL, AWS Aurora	Table creation, Schema creation, Advance queries, Indexing
Remote Sensing	ArcGIS, ERMapper, ENVI	Aerial Imagery, Photogrammetry, LIDAR, SAR/InSAR/DInSAR
Environmental Science	MaxEnt, GaBi, STELLA	Life cycle analysis, Material flow analysis, Product environmental footprint, System dynamics, Habitat modeling