Rohit Sangha

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PROFILE

3rd year Geomatics Engineering student with strong communication and technical skills. Currently seeking a geospatial related position in which I can utilize my excellent analysis abilities, and expand my technological skill set.

EDUCATION

Bachelor of Science in Geomatics Engineering Expected May 2021
Schulich School of Engineering, University of Calgary
Cumulative GPA: 3.1, Last semesters: 3.7, 3.8

TECHNICAL SKILLS

Programming Languages: Python, SQL, Javascript, CSS, HTML
Applications: ArcGIS, Microsoft Suite, QGIS
GIS: ArcToolbox, Georeferencing, ArcPy, ModelBuilder
General: Land Surveying, Spatial Data Analysis

PROJECTS

Art-Near-Me!

An online map made with react-leaflet which displays an isochrone around your location depending on specified transportation and time parameters. Public art points pulled from a GeoJSON file which are within the isochrone are then displayed.

- **Technology/Tools:** Javascript, React, CSS, React-leaflet, Elastic UI
- **Link:** https://rohitsangha.github.io/ArtNearMe/

Calgary Accident Analyzer

Integrated GIS and spatial analysis techniques in an analysis of road traffic accidents in Calgary. Geospatial data surrounding accident locations was queried, and coupled with statistical methods to outline an accident prevention plan.

- **Technology/Tools:** ArcGIS, ModeBuilder, ArcToolbox

Weather Open

WeatherOpen, a website to display accurate weather at your current location using MapQuests geocoding API and the OpenWeatherMap API. Can show weekly, hourly, and current weather.

- **Technology/Tools:** Javascript, React, Elastic UI
- **Link:** https://rohitsangha.github.io/WeatherOpen/

EXTRA-CURRICULAR INVOLVEMENT

Vice President Academic
Geomatics Engineering Student Society, University of Calgary

- Collaborate with the Geomatics department to notify first-year students about research opportunities.
- Work with GESS members to develop resources to aid and assist Geomatics students in their coursework.
- Help with all the day to day GESS activities.

RELEVANT COURSES

• Design and Implementation of Geospatial Information Systems
• Introduction to Geospatial Information Systems • Estimation and Statistical Testing
• Computing for Geomatics Engineers • Remote Sensing

REFERENCES

References are available upon request.