Anugra Shah

647-705-2680
anugra.96@outlook.com
linkedin.com/in/anugrashah
www.anugrashah.com

SKILLS

ReactJS (MERN Stack)
Python (Flask, Django)
Typescript
Spatial Database Design
Cartography
R/RStudio

Git
Google Earth Engine
Azure Devops
ArcGIS Pro/Online
QGIS
Tableau/FME/Alteryx

Adobe Suite
Photography
Videography
Drone Pilot

EDUCATION

HONOURS GEOMATICS MINORS IN COMPUTER SCIENCE & URBAN STUDIES
University of Waterloo, Waterloo ON
September 2014 - April 2022

RELEVANT EXPERIENCE

BORDERLINE PROJECT - UWATERLOO
WATERLOO, ON

Geospatial Researcher & Software Developer
January 2021 - June 2022

- Developed full stack (MERN) collaborative mapping web app for users to share experiences in the form of geotagged notes.
- Leveraged knowledge of REST API's to create endpoints that serve the Borderline iOS app using Python.
- Identified spatially significant correlations and presented mapped findings at the InfoPlus 2021 Conference.

TD BANK
TORONTO, ON

Geospatial Intelligence Analyst
September 2020 - December 2020

- Identified regions of market opportunity worth $25 million across Canada, based on Environics Analytics data products.
- Conducted financial viability analysis for 7 new branch openings, using socio-demographic census and internal customer data.
- Created web GIS dashboard for daily updates of COVID-19 cases and its impacts on the TD branch network. Used regularly for pandemic planning by executives.

ENVIRONMENT AND CLIMATE CHANGE CANADA GATINEAU, QC

Data Analyst - GIS
April 2019 - August 2019

- Worked with large amounts of climate, soil and land use change data to conduct various GIS tasks such as visualization, data mining, predictive modelling and georeferencing.
- Developed a predictive linear model that estimates CO_2 emissions from cropland sources all across Canada.
- Contributed data analysis and designed maps for major presentation in front of the UNFCCC conference in the US.

WUNDERMAN THOMPSON
TORONTO, ON

Junior Web Developer
April 2017 - November 2018

- Contributed web development (HTML, CSS, JS) and support to large scale enterprise websites: Mazda.ca and Hotels.com.
- Developed animated HTML banner ads and landing pages using Javascript/CSS animations for Mazda, Air Canada, HSBC, Johnson & Johnson and Shell Canada.
- Wrote a Python script to automate web banner development which reduced project timeline from 70 hours to 50 hours on avg.

PROJECTS

Spatial Community Notebook - Collaborative Web Mapping App

Developed a responsive full stack web map application which allows residents of a city to tag notes (with metadata) to point locations on a map. Interface shows a feed of all notes, which may be filtered by category. Built using MERN. Hosted on Netlify.

GuessThatCountry - Geography Web Game

Responsive web based geography game. Each round a random country is displayed, and player has 5 hints (direction, distance) to determine the country. ReactJS frontend supported by LeafletJS, Turf.js and Mapbox libraries. Flask backend API for geographic calculations such as Great Circle distance and Rhumb bearing direction. Hosted on Heroku.

Personal/Portfolio Website - www.anugrashah.com

Created a responsive portfolio website to showcase my work experience and projects using ReactJS, hosted on Netlify. Built interactive map-based component to visualize the location and details of my previous work experience.