SOHAIL SAYED | PORTFOLIO: SOHAILSAYED.COM

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EDUCATION

University of Waterloo   2021–Current

Bachelor of Applied Science, **Systems Design Engineering**
- Activities: UW Blueprint – Project Developer, Greenhouse Social Impact Incubator

WORK EXPERIENCE

Software Developer Intern   May 2023 – Aug 2023

The Weather Network – Generative AI Team, Oakville, ON
- Founding engineer on team building an AI weather assistant for Canada's top weather provider
- Engineered a location detection feature leveraging Named Entity Recognition (NER) to identify and process location-based prompts, improving user experience and response accuracy
- Implemented retrieval and use of historical weather data by the **Large Language Model (LLM)**
- Built out a testing suite to evaluate LLM responses and pre processing, improving response quality
- Contributed to Web team with features like the navigation bar using **Typescript**, **React** & **Next.js**
- Wrote Cypress E2E and Jest unit tests for web components and features

Data Engineering Intern   Sep, 2022 – Dec, 2022

Grantmatch, Toronto, ON
- Automated manual scraping of grants into internal database with Python & Beautiful Soup
- Deployed app on **AWS** using **Terraform**
- Implemented a text classification neural network on 4000 grants with **PyTorch**

Full Stack Developer Intern   Jan, 2022 – Apr, 2022

Intelliculture, Waterloo, ON
- Improved and scaled usability and functionality of farming software product for customers
- Built **Node.js** and **Django** scripts to collect vehicle data, used in 18,000+ customer reports
- Awarded Waterloo's $1500 Co-op Problem Prize for analysis of a problem strategic to Intelliculture

PROJECTS

Condensed.news – News Summary Web App   **Try it Out**   **View the Code**   **Blog Post**
- Created a web app which uses AI to summarize the latest global news, on an hourly basis
- Built using **Flask** (Python), deployed on **Heroku** with **PostgreSQL** database
- Utilized **REST APIs** – HuggingFace for summarizer, NewsAPI and newspaper3k to query articles

Sohailsayed.com – Windows XP Recreated in React   **Try it Out**   **View the Code**
- Recreated Windows XP with **React, Typescript** and **Next.js** for my personal website

TECHNICAL SKILLS

Languages: Python   Javascript   Typescript   C++

Frameworks: Django   Flask   Node.js   React.js   Next.js

Misc: Langchain   SQL   Pytorch   PostgreSQL   Git   AWS   Bash