Damanjit Gill

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SKILLS

Programming	Python, C++, C#, R, SQL, JavaScript, HTML/CSS, Flask, Pandas, Django, Node
Dev Tools	Git/GitHub, PyCharm, Visual Studio, Visual Studio Code, Heroku
Software	Office 365 Suite, G-Suite, Adobe Premiere/Photoshop/Illustrator, LaTeX, pgAdmin, dBeaver

EXPERIENCE

Software Developer - Investment   Jan 2022 - Apr 2022
Equitable Life Insurance, Waterloo, ON

- Enhanced and expanded proprietary automation infrastructure using Python and PostgreSQL to analyze and report on thousands of company assets
- Developed a Flask web app to create, read, update and delete cash flows from a PostgreSQL database
- Used Python to automate the process of analyzing company assets for purposes of asset impairment calculations
- Built a Flask tool to handle reconciliation of internal trade request information with portfolio manager data feeds
- Developed and expanded various internal tools, such as an app to facilitate buying & selling of select ETFs

Programmer & Computer Support   May 2021 - Aug 2021
Environment Canada, Toronto, ON

- Developed various Python scripts to automate manual tasks such as checking a website and its sub-pages for any expired links
- Analyzed and converted over 10 years of collected environmental data to NASA AMES format using Python and Pandas
- Provided programming and technology support to a department with 100+ developers and scientists

Volunteer Youth Lead   Jun 2018 - Present
Office of the Milton MPP, Milton, ON

- Assist the MPP with day-to-day tasks such as writing/proofreading social media posts
- Created and led a group of 50+ youth activists to work on community initiatives such as various eco-friendly school programs
- Designed campaign literature for use in canvassing efforts
- Spearheaded development of a website for the MPP

PROJECTS

WeatherVibe *JavaScript, HTML, CSS*

- A web app that builds a music playlist filled with songs based on the weather at the user's location
- Interacts with the official Spotify API using OAuth 2.0 Implicit Grant Flow user authorization
- Obtains latitude/longitude using HTML5 Geolocation, which is used with an API to obtain local weather information
- Dynamically generates recommendations using associations between attributes of weather and music
- Built as part of the Hack the North 2020++ hackathon

Conway's Game of Life *C#*

- An emulation of cellular reproduction using a 2D grid space
- Implements the rules of the zero player game Conway's Game of Life

Django Blog *Python (Django)*

- A simple web blog application with a fully featured user account system
- Users can create and later update or delete posts on the blog
- Account system includes functionality for users to edit their profile and reset their password via email
- Deployed online via Heroku

EDUCATION

Candidate for Bachelor of Computing and Financial Management
Computer Science & Finance   Sep 2020 - Present
University of Waterloo