

# Damanjit Gill

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## EDUCATION

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### Candidate for Bachelor of Computing and Financial Management

*Computer Science & Finance*

*University of Waterloo*

Sep 2020 - Present

## SKILLS

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

## EXPERIENCE

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### Software Developer

*Ceridian Canada, Toronto, ON*

Sep 2022 - Dec 2022

- Engaged in back-end development on Dayforce HR web platform serving 5600+ enterprise clients
- Developed new functionality for proprietary tax platform in a mob setting
- Worked on a library to implement Kafka producer/subscriber model in C#
- Wrote unit tests in XUnit for thorough testing of enterprise level software

### Software Developer - Investment

*Equitable Life Insurance, Waterloo, ON*

Jan 2022 - Apr 2022

- 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

*Environment Canada, Toronto, ON*

May 2021 - Aug 2021

- 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

## PROJECTS

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### 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