

Joseph Green

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Experience

Software Engineering Intern (Remote)

DNASStack (Toronto, Ontario)

January 2021 – December 2021

- Enabled programmatic access to DNASStack's products through developing a Python command line interface and PyPI library.
- Enriched the MSSNG dataset, including producing aggregate statistics across diverse datasources, and visualizing with a genomic data explorer.

Software Engineering Intern (Remote)

Alarm.com (McLean, Virginia)

May 2020 – August 2020

- Implemented a C# WebHooks system to alert local utility companies of power restoration after an outage.
- Developed C# code for a legacy ASP.NET backend, Javascript frontend, and relational SQL Server database.

Education

University of Waterloo (Waterloo, ON)

Honours B.CS (Computer Science) with Business Option, Co-operative Program

Projects

Fantano.ai (Github: <https://github.com/joseph-green/fantano.ai>)

Creating a neural network to predict album ratings from Youtube music critic Anthony Fantano. Developed a data ingestion pipeline to harmonize album and song data from various sources (Youtube, Spotify, Genius).

Skills & Technologies

Programming/Scripting Languages: Python, R, Java, Javascript, C#, SQL, HTML, CSS

Frameworks: NumPy, Pandas, Dplyer, Spring Boot, NodeJS, React, ASP.NET, Hugo

Other Tools: Google Cloud, Jupyter, IntelliJ IDE, Visual Studio, MongoDB