

Russell Gill

Versatile software developer with scientific background

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SKILLS

TECHNICAL SKILLS: Programming, Version Control, Documentation, Web Development, Software Development, Data Analytics & Mining, Machine Learning, Web Scraping, SQL

SOFT SKILLS: Interpersonal Communication, Teamwork, Technical Writing, Presentations, Analytical Reasoning, Critical Thinking

EXPERIENCE

backpack.technology, Ottawa — Freelance Developer

September 2019 - PRESENT

Handle diverse tasks for various clients. Skills used include:

- Full-Stack Software Development
- Linux Systems Administration
- Full-Stack Web Development

Statistics Canada, Ottawa — Programmer Analyst

January 2019 - PRESENT

Carry out various software development tasks including:

- Full-Stack Software Development
- Back-End Web Development
- Data Science and Analysis
- Blockchain Development
- Machine Learning
- Web Scraping

University of Ottawa, Ottawa — Research Assistant

January 2016 - September 2019

Assisted in research tasks for a number of internal research groups. Tasks included lab work, as well as software development and programming.

EDUCATION

University of Ottawa, Ottawa — Bachelor of Science

Anticipated Graduation: April 2020

Anticipate receiving a BSc with coursework focused on scientific computing, informatics, chemistry and physics.

PROJECTS

Parkinson's Detection — Detecting early stage Parkinson's with Machine Learning

Recreating a novel approach to Parkinson's detection using voice recording data from a collection of clinical studies using an ensemble model.

Real Time Traffic — Using Computer-Vision to find fastest routes

Applying computer-vision methods to traffic camera data to detect both weather and traffic conditions images from web-scraping.

LANGUAGES (Human)

- o English
- o French

LANGUAGES (Computer)

- o Python 3/2.7
- o JavaScript
- o FORTRAN
- o Golang
- o ANSI C
- o Java
- o SQL
- o C++
- o C#
- o R

TOOLS

Data Science: Pandas, Numpy, Apache Arrow, Jupyter Notebooks

Machine Learning: Tensorflow, Keras, SKLearn

Cloud: Pachyderm, Managed Kubernetes, Azure, AWS

Development: Maven, Gradle, Android Studio, Git,

Databases: MongoDB, Postgresql, SQL, SQLite

Web: MEAN web-stack, LAMP web-stack