

Waun Broderick

(416)660-7985 | waunbroderick@gmail.com

waunbroderick.me

[Linkedin.com/in/waunbroderick](https://www.linkedin.com/in/waunbroderick)

github.com/waunbroderick

Skills

Languages

C#, Python, Java, Javascript, PHP, SQL, HTML5, CSS3, UML

Frameworks &
Environments

Hadoop, React, Git, Bash, Unix, Creative Cloud, LAMP Stack,
MERN Stack, Android Studio

Knowledge &
Interests

Full Stack Development, Machine Learning Pipelines, Big Data,
Database Architecture, Cloud Infrastructure, Algorithms,
Data Analysis

Education

Trent University

HBSc Computing & Information Systems

Specialized in Software Engineering and High Performance Computing

Experience

DS Solutions Engineer
July 2017 – Present
Toronto

TD Data Science and Analytics Personal Banking

- Worked cross-functionality as a data analyst and software developer building custom solutions for several lines of business within the bank
- Was the Lead developer, designer, and active driver for the productionalization of the software tool INPROD as well as many other solutions like TD Vow.

Big Data / Android Dev
May 2017 – Sept 2017
Waterloo

TD 55 Technology Center Waterloo

- Worked to integrate and train with new tools on our Hadoop distributed infrastructure, as well as building dashboard webapps to communicate between the infrastructure and operations teams
- Implemented features on the Android development team and was an active part on the creation of an internal Android App

Front-End Developer
Feb 2016 – Aug 2017

PCS4Kids – United Nations Initiative

- Helped to direct the new initiative of re-releasing the PCS4Kids software container for their international efforts of child education.
- As a front-end developer was able to not only build the application but also contribute to technological and design decisions that eventually earned me a spot as a lead developer and design guru due to my eye for detail and understanding of their vision.

Academic Assistant
Mar 2016 – Apr 2018

Trent University

- Worked alongside faculty in various computer science classes to provide feedback and guidance for the academic betterment of current students. This extended to class, assignments, test and exams.

Corporal
2011–2018

Canadian Armed Forces

- Served 7 years with the CAF as an Infantry soldier where I performed duties in a variety of environments, and diverse arrays of tasks
- Refined my leadership ability through many exercises & opportunities, and learned the endless capability of a team regardless of circumstance through teamwork, determination, attention to detail, and grit.

Projects

Lead Researcher
2017–2018

Undergraduate Machine Learning Thesis

Used collections of fMRI data to build a viable observation system and framework with computer vision to determine predispositions to neurodegenerative diseases by an exploration in the differing machine learning methods, architectures, and unique ways to approach the data sets.

Utilized: Python, VTK, tensorflow, AWS, Numpy, Scikit, Keras

Co-Creator
2016–2017

‘Depth’ – A Water Quality Safety Alert System

Created a product that monitors a water systems and alerts citizens at the possible presence of contamination. Was involved in the physical product design and build, electrical wiring, web-app creation, testing, and documentation.

Utilized: Apache, MySQL, PHP, C++, Arduino, JavaScript, Electronics

Creator
2018

INPROD (Intelligent Processor of documents)

Designed and developed a software tool currently used by several lines of bussiness in TD Bank that Intelligently Automates the process of multiple document ingestion. The system that can image, optimizie, understand, and extract information to a high accuracy for various different documents..

Utilized: Python, OCR, NLP, Parallel Processing, Qt

Extra Activities

Director of Electric City Hacks

Trent Computer Science Society President

Communitech Campus Ambassador

Microsoft Student Partner

Mathematics Tutor at Tutor Doctor

Trent University Orientation Week Leader

Trent Computer Science Student Board Member