

Breandan Choi

4B Computer Science
cbreandan@gmail.com

EDUCATION

University of Waterloo

B.S. Computer Science
Expected grad: Apr 2020

Relevant Coursework

- Algorithm Design & Data Structures
- Object-Oriented Programming
- Computer Networks
- Database Management
- User Interfaces
- Operating Systems

SKILLS

Languages

Python, Java, C/C++, JavaScript,
Bash

Web

AngularJS, HTML, CSS

Others

Google Ads, Google Analytics,
SalesforceIQ, Stripe, Segment

INDEPENDENT LEARNING

Udemy.com

Advanced Data Structures and
Algorithms

LINKS

<http://cbreandan.github.io>
<http://linkedin.com/in/cbreandan>
<http://github.com/cbreandan>

HOBBIES & OTHERS

Music - Violin, Piano, Guitar
Badminton
Fluent in Mandarin and Cantonese

WORK EXPERIENCE

Web Development Intern | Solink

Jan - Apr 2018

Ottawa, ON

- Significantly improved app's loading speed for pages with large data sets from **~15 seconds** to **~2 seconds**; received **outstanding evaluation** from manager
- Enhanced user productivity by redesigning how users interact with data tables using **AngularJS** and **CSS**

Software Engineering Intern | DBRS

May - Aug 2017

Toronto, ON

- Participated in rebuilding organization's site using **AngularJS**, which improved the analytic process for **10k+ analysts**
- Completed all required features and bug fixes in time for site launch

Software Development Intern | Zensurance

Sept - Dec 2016

Toronto, ON

- Built a web application targeted for customers using **React**
- Refined sales funnel to improve conversion rate with Segment API

Marketing Engineering | Hubdoc

Jan - Apr 2016

Toronto, ON

- Generated **100+ new leads daily** for marketing team by automating workflow of 5 manual tasks using **Node.js**
- Designed and implemented metrics dashboard, allowing team to visualize data to make better business decisions

PROJECTS

Software Design and Architecture Group Project

- Android app written in **Java** to reduce food wastage through developing an efficient string matching algorithm that returns a food item's expiry date
- Implemented a **Python** script to parse JSON data extracted from an online source

WLP4 Compiler / Assembler

- Used **C++** to write a compiler and an assembler that converts WLP4 code (similar to C++) into machine code