

William Yang

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EDUCATION

UNIVERSITY OF WATERLOO

COMPUTER ENGINEERING

Expected June 2020 | Waterloo, ON

BASC IN COMPUTER ENGINEERING

Expected May 2020 | Waterloo, ON

Expected Option in Software Engineering
Department of Engineering

NANODEGREE IN MACHINE

LEARNING ENGINEERING

Completed April - June 2016

Certified By [www.Udacity.com](http://www.udacity.com)

Co-Developed by Google

LINKS

Github:// [WilliamY97](#)

LinkedIn:// [williamyang97](#)

Twitter:// [@WilliamY97](#)

COURSEWORK

UNDERGRADUATE

Embedded Systems Programming

Object Oriented Development

Design Patterns & Architecture

Android Programming

ONLINE COURSES

UDACITY

Intro To Computer Science

Intro To Algorithms

Machine Learning

Descriptive Statistics

Inferential Statistics

SKILLS

PROGRAMMING

Java • C++ • JavaScript • Python •

CSS • SQL • jQuery • AngularJS

Familiar:

PHP • Android • Ruby • Rails • Node.js

INTERESTS

Algorithms • Machine Learning • Data
Visualization • Full-Stack Development •
Design • Finance • Statistics

- President of MKV Residence Council
- Class Academic Representative

EXPERIENCE

DBRS INCORPORATED | SOFTWARE ENGINEER

May 2016 – September 2016 | Toronto, ON

- Will aid Global Technologies design, develop and implement business process improvements to improve efficiency and accuracy.
- Build out the application infrastructure that powers next generation analytics platform
- Develop financial tools for end-users using C#, MVC.NET, SQL, Javascript, & AngularJS

WATSAT | DESIGN TEAM | COMMAND & DATA HANDLING

September 2015 – January 2015 | Waterloo, ON | williamyang.me/WatSat

- Worked on the software team to create functions under Linux that produced qualitative results based off of sets of telemetry data using C++
- Re-built entire site from scratch to cater to sponsors and team recruitment

PROJECTS

AUG TOUR | YALE HACKS - YALE UNIVERSITY

November 6-8th 2015 | New Haven, CT | Back-End Developer

Built backend of iOS app using Node.js that parsed through Google Maps API to help produce augmented reality objects when user is near cultural landmarks. Recipient of 2000 dollar competition prize in a team of four people

BOA SEARCH ENGINE UDACITY CS101 ONLINE COURSE

June 2015 - July 2015 | Markham, ON

A simple search engine written in Python. I built a web crawler to find links on different pages and an index to find relevant URLs for a search word. The engine then ranks pages for the best result

TEAM HACK | HACK THE NORTH - UNIVERSITY OF WATERLOO

September 18-20th 2015 | Waterloo, ON | Front-End Developer

Built the frontend for a web app that allows users to find teams for hackathons using HTML, CSS, Javascript, and Bootstrap. I worked with a team of 3 other students

WEB SERVER ANALYZER | ACADEMIC PROJECT

September 2015 - December 2015 | Waterloo, ON

Built a C++ project that used culminating concepts such as linked lists, recursion, and simple data types to build an analyzer that determined statistics of a web server

KLONDIKE SOLITAIRE | ACADEMIC PROJECT

December 2014 - January 2015 | Waterloo, ON

Built a classic card game in Java to practise object oriented programming. The GUI was designed using Java's Abstract Window Toolkit

AWARDS

2015 Top Heritage Preservation App
2015 Provincial Scholarship Recipient
2015 Nortel Networks Scholarship
2015 Waterloo President's Scholarship
2015 Leadership Excellence Award
2014 Top Quartile
2014 1st Place

Yale Department of Computer Science
Professional Engineers of Ontario
University of Waterloo Engineering
University of Waterloo Engineering
Waterloo Engineering Society
Gr. 9 - 12 Waterloo Math Competitions
DECA Financial Literacy & Finance Principles