

# 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

## LINKS

Github:// [WilliamY97](#)

LinkedIn:// [williamyang97](#)

Twitter:// [@WilliamY97](#)

## COURSEWORK

### UNDERGRADUATE

Functional Programming

Embedded Systems

Object Oriented Design

Basic Data Structures

Digital Circuit Analysis

### ONLINE COURSES

#### UDACITY

CS101 - Intro To Computer Science

CS201 - Algorithms (In Progress)

#### CODECADEMY

HTML | CSS | JS | JQuery |

PHP | Python | Ruby | SQL | AngularJS

## SKILLS

### PROGRAMMING

Java • C++ • JavaScript • Python •

CSS • PHP • MySQL

Familiar:

iOS • Android • Ruby • Rails • Node.js

## INTERESTS

Algorithms • Machine Learning •

Computer Graphics • Computer Vision •

Augmented Reality • Design • Finance •

Risk Management

• President of MKV Residence Council

• Class Academic Representative

## EXPERIENCE

### CONNECTNOW | FOUNDER & SOFTWARE DEVELOPER

June 2012 – Sep 2014 | Markham, ON | [Connectnow.today](#)

- Built a website that allowed students in Ontario find opportunities to contribute to their community. Accumulated 1000 active users in two years
- Independently built responsive frontend utilizing Bootstrap framework, HTML, CSS, jQuery, & Javascript
- Aided other developers in server setup using MySQL and development of login and user account creation of site using PHP

### WATSAT | DESIGN TEAM | COMMAND & DATA HANDLING

September 2015 – January 2015 | Waterloo, ON

- Worked on the software team to create functions that produced qualitative results based off of sets of telemetry data using C++
- All code was reviewed, perfected, and pushed to production

## 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