

# William Yang

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## EDUCATION

**BASC IN COMPUTER ENGINEERING**  
Expected May 2020 | Waterloo, ON  
Expected Option in Software Engineering  
Department of Engineering

**NANODEGREE IN MACHINE  
LEARNING ENGINEERING & FULL  
STACK DEVELOPMENT**

Completed April - June 2016  
Certified By [www.udacity.com](http://www.udacity.com)  
Co-Created by Google, Amazon, AT&T,  
and Github

## LINKS

Github:// [WilliamY97](#)  
LinkedIn:// [williamyang97](#)  
Twitter:// [@WilliamY97](#)

## COURSEWORK

**UNDERGRADUATE**  
C++ & Java 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**  
Python • Java • C++ • HTML •  
CSS • Javascript • SQL • AngularJS  
• Git • Bash • C#  
Familiar:  
PHP • Android • Ruby • Rails • Node.js

## INTERESTS

Algorithms • Machine Learning • Data  
Visualization • Full-Stack Development •  
Design • Foreign Languages • Painting

- President of MKV Residence Council
- Class Academic Representative
- Intramural Ultimate Frisbee

## EXPERIENCE

### **DBRS INCORPORATED | SOFTWARE ENGINEER**

May 2016 – September 2016 | Toronto, ON

- 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 | SATELLITE TEAM | COMMAND & DATA HANDLING**

September 2015 – January 2015 | Waterloo, ON | [williamyang.me/WatSat](http://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

### **CONNECTNOW | FOUNDER**

September 2013 – January 2015 | Markham, ON

- Founded and lead team of developers to build site that allowed students to find ways to get involved in the community. At the peak it reached over 1000+ users

## PROJECTS

### **SUPERVISED LEARNING USING DYSPHONIA MEASUREMENTS TO DIAGNOSE PARKINSON'S**

June 2016 | Toronto, ON

Tested supervised learning classifiers on data set to obtain highest prediction rate.  
Final result of 89.46% accuracy after tuning parameters.

### **UNSUPERVISED LEARNING ON CUSTOMER SEGMENTS**

May 2016 | Toronto, ON

Used unsupervised learning techniques to see if any similarities exist between customers, and how to best cluster customers into distinct categories.

### **SUPERVISED LEARNING FOR STUDENT INTERVENTION**

May 2016 | Toronto, ON

Developed a model that can predict the likelihood that a given student will pass, thus helping diagnose whether or not an intervention is necessary.

### **AUG TOUR AUGMENTED REALITY | 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.  
Recipient of 2000 dollar competition prize in a team of four people.

### **BOA SEARCH ENGINE**

June 2015 | Markham, ON

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.

## AWARDS

2015 Top Heritage Preservation App  
2015 Provincial Scholarship Recipient  
2015 Nortel Networks Scholarship  
2015 Waterloo President's Scholarship  
2015 Leadership Excellence Award

Yale Department of Computer Science  
Professional Engineers of Ontario  
University of Waterloo Engineering  
University of Waterloo Engineering  
Waterloo Engineering Society