

William Yang

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EDUCATION

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

**NANODEGREE IN MACHINE
LEARNING ENGINEERING & FULL
STACK DEVELOPMENT**
Completed April - August 2016
Certified By [www.Udacity.com](http://www.udacity.com)

LINKS

Github:// [WilliamY97](#)
LinkedIn:// [williamyang97](#)
HackerRank:// [WilliamY97](#)

COURSEWORK

UNDERGRADUATE
C++ & Java Programming
Object Oriented Development
Design Patterns & Architecture

ONLINE COURSES
Intro To Computer Science
Algorithms & Data Structures
Full Stack Development
Machine Learning
Debugging Methods

SKILLS

PROGRAMMING
Python • C++ • C# • HTML • CSS •
Javascript • SQL • Git • Bash

Frameworks, Libraries, & Tools:
Flask • Scikit-learn • AngularJS • JQuery
• Jinja2 • SQLAlchemy • MySQL • SQL
Server • Fiddler

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

- Built a data pipeline to transport Intercom API bulk load to DOMO for analytics
- Wrote multiple scripts to map structured finance data together
- Developed improvements to core API to keep up with evolving business logic
- Refactored frontend for dashboard to improve interface for analysts
- Participated in daily stand-ups with technology teams in Toronto & NYC
- Developed financial tools for end-users using C#, MVC.NET, SQL, Javascript, & AngularJS

WATSAT | SATELLITE TEAM | COMMAND & DATA HANDLING
September 2015 – September 2016 | Waterloo, ON

- Worked on the software team to create functions 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

FINALYTICS PORTFOLIO ASSESSMENT PLATFORM
August 2016 | Toronto, ON

Built to allow users to analyze equities on a dashboard and optimize their portfolios. It offers news reports and data visuals on quantitative data pertaining to stock.

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

June 2016 | Toronto, ON

Built supervised model to diagnose patients with Parkinson's disease. Final result of 89.46% prediction accuracy after tuning support vector machine.

CUSTOMER CLASSIFICATION MODEL

May 2016 | Toronto, ON

Used gaussian mixture model clustering to see if any similarities exist between customers, and how to best cluster customers into distinct categories.

AUG TOUR AUGMENTED REALITY | YALE HACKS - YALE UNIVERSITY

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

Built backend of application that displays augmented objects in real locations of interest. 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