William Yang

http://williamyang.me
wzyang@uwaterloo.ca | 647.990.3253 | 19 Hickory Drive Markham, Ontario

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
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
- 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	Yale Department of Computer Science
2015	Provincial Scholarship Recipient	Professional Engineers of Ontario
2015	Nortel Networks Scholarship	University of Waterloo Engineering
2015	Waterloo President's Scholarship	University of Waterloo Engineering
2015	Leadership Excellence Award	Waterloo Engineering Society