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
Co-Created by Google, Amazon, AT&T, and Github

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 & 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
- HackerRank Programming Contests

EXPERIENCE

DBRS INCORPORATED | Software Engineer
May 2016 – September 2016 | Toronto, ON
- Built a data pipeline to transport Intercom API data to DOMO for analytics
- Wrote multiple scripts to map structured finance data together
- Developed improvements to core platform API to improve efficiency
- Re-factored 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 – June 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
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.

AUG TOUR AUGMENTED REALITY | Yale Hacks - Yale University
November 6-8th 2015 | New Haven, CT | Back-End Developer
Built backend of iOS app 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	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