

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 - September 2016
Certified by Udacity

LINKS

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

COURSEWORK

ONLINE COURSES

Algorithms
Data Structures
Full Stack Development
Relational Databases
Debugging Methods

SKILLS

PROGRAMMING

Languages:
Python • Ruby • C++ • C# • JavaScript
SQL • Git • Bash • Matlab

Front End:
Bootstrap • AngularJS • jQuery • D3.js

Back End:
Rails • Flask • SQL Server • Unix •
Vagrant • Heroku • App Engine

INTERESTS

Basketball • Snowboarding • Foosball •
Table Tennis • Foreign Languages •
Photography • Board Games

- Participating in HackerRank challenges
- Learning about software development

EXPERIENCE

SHOPIFY SOFTWARE ENGINEERING INTERN

January 2017 – April 2017 | Ottawa, ON

- Currently developing platform with the Merchant Inventory Team

DBRS INCORPORATED SOFTWARE ENGINEERING INTERN

May 2016 – September 2016 | Toronto, ON

- Created a graph search tool that modeled all analyst transactions on nodes to visualize their business relationships
- Built the Rating Committee and Metric tools used to accelerate process of rating modeling
- Developed REST interfaces on Insights API to keep up with new platform features

WATERLOO SATELLITE TEAM COMMAND & DATA HANDLING

Design Team | Waterloo, ON

- Implemented configuration system to allow alteration to telemetry data collection rate
- Pulled telemetry data from satellite and built internal graph tool to visualize information on control systems

PROJECTS

FINALYTICS - PORTFOLIO ASSESSMENT PLATFORM

Python, Flask, Javascript, jQuery, MySQL

Built to allow users to analyze equities on a dashboard and optimize their portfolios with data pertaining to stock pulled from BlackRock, NY Times, & Yahoo Finance

CATALOGIT - RECORD MANAGEMENT SYSTEM

Python, Flask, OAuth, PostgreSQL

Developed a catalog system using the Flask framework in Python. Authentication is provided via Google OAuth and all data is stored within PostgreSQL

SUSHILICIOUS - RESTAURANT MAPPING

Javascript, Knockout.js, jQuery

A single-page web application that displays a Google Map of an area. Users can search all included sushi restaurants and get info provided by FourSquare API

SUPERVISED PARKINSONS VOCAL ANALYSIS MODEL

Python, Scikit-Learn, NumPy

Built supervised model to diagnose patients with Parkinson's disease from their vocal data. Final result of 91.4% prediction accuracy after tuning support vector machine

AWARDS

2016 Top Finance & Data Visualization App
2016 2nd Place Global Technology Hackathon
2015 Top Heritage Preservation App
2015 Provincial Scholarship Recipient
2015 Nortel Networks Scholarship
2015 Leadership Excellence Award

PennApps @ UPenn
DBRS Incorporated
Yale Department Computer Science
Professional Engineers of Ontario
University of Waterloo Engineering
Waterloo Engineering Society