

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 • Materialize • AngularJS
jQuery • D3.js • Sass

Back End:

Flask • Rails • SQL Server • OAuth2
PostgreSQL • SQLAlchemy • Jinja2
Vagrant • Heroku • App Engine

INTERESTS

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

- Participating in HackerRank challenges
- Learning more about web 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

Extracurricular Activity | 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

Python, Flask, Javascript, jQuery, MySQL

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

CATALOGIT - RECORD MANAGEMENT SYSTEM

Python, Flask, OAuth, PostgreSQL

Developed a content management system using the Flask framework in Python. Authentication is provided via 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, when selected, additional information about it is presented from the 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