

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

Back End:
Rails • Flask • PostgreSQL • Unix •
Vagrant • Heroku • App Engine

INTERESTS

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

- Participating in HackerRank contests
- Learning about software development

EXPERIENCE

SHOPIFY SOFTWARE ENGINEERING INTERN

January 2017 – April 2017 | Ottawa, ON

- Currently developing platform with the Merchant Inventory Team
- Improved internal query tool and wrote maintenance tasks to aid in transition to new system

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 for new platform features

WATERLOO SATELLITE TEAM COMMAND & DATA HANDLING

Design Team | Waterloo, ON

- Pulled telemetry data from satellite and built internal graph tool to visualize information on control systems

PROJECTS

FINALYTICS - PORTFOLIO ASSESSMENT PLATFORM

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

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

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

FANTASY BASKETBALL TOURNAMENT SCHEMA

Built a PostgreSQL database schema to store the results of a tournament. I provided a number of queries to report the results of the tournament and determine the winner

SUPERVISED PARKINSONS VOCAL ANALYSIS MODEL

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