William Yang

http://williamyang.me
william.yang@edu.uwaterloo.ca | 647.990.3253

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**
Medium:// **@WilliamY97**

HACKERRANK

Algorithms - 86th Percentile
WoC 30 Algorithm Contest - Bronze Medalist

SKILLS

PROGRAMMING

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

Front End:
Bootstrap • AngularJS • jQuery

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

Infrastructure:
Shell Scripting

EXTRACURRICULARS

- University of Waterloo Poker Studies
- Waterloo Satellite Team

INTERESTS

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

EXPERIENCE

SHOPIFY Software Engineering Intern
January 2017 – April 2017 | Ottawa, ON | Ruby on Rails

- Introduced position and image integration into CSV product import and export, allowing 250k+ merchants to revise products by spreadsheet
- Implemented context into internal inventory tracking report, informing internal team about quantity after adjustments of products
- Worked with data team to build models for an inventory reconciliation tool using Python, scanning millions of products for inconsistencies in attributes
- Developed data integrity job that automatically deployed maintenance tasks, fixing attribute of product variants in the process

DBRS INCORPORATED Software Engineering Intern
May 2016 – September 2016 | Toronto, ON | .NET Framework

- Created a graph search tool modelling transactions onto nodes, allowing 10k+ analysts to understand their business relationships visually
- Built the Rating Committee and Metric tools used by thousands of analysts to accelerate process of model rating
- Developed REST interfaces on internal API, allowing it to expose new features

WATERLOO SATELLITE TEAM Command & Data Handling
Design Team | Waterloo, ON | C, Assembly, Python

- Currently building the real-time operating system for version 3.0 of the satellite, assisting in the development of the core on-board-computer
- Re-built team site from scratch, allowing for easier navigation and access

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

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
Trained supervised model to diagnose patients with Parkinson's disease from their vocal data with 91.4% accuracy - wrote a technical report on the results.

AWARDS

2016	Top Finance & Data Visualization App	PennApps @ UPenn
2016	2nd Place Global Technology Hackathon	DBRS Incorporated
2015	Top Heritage Preservation App	Yale Department Computer Science
2015	Provincial Scholarship Recipient	Professional Engineers of Ontario
2015	Leadership Excellence Award	Waterloo Engineering Society