YIFAN DAI

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Skills

LANGUAGES:

Java
JavaScript
Python
C
C++
CSS
PHP
Bash
Assembly

FRONT END WEB:

AngularJS
EmberJS
ReactJS
HTML5
JQuery
Bootstrap
Foundations

BACK END WEB:

Node.js
Spring
Flask
Rails

DATABASES/STORES

PSQL
Oracle
MongoDB
Redis

RELEVANT COURSES

Data Structures
Operating Systems
Object Oriented
Programming
Algorithms
Databases
User Interfaces
Compilers
Functional Programming

Education

University of Waterloo
BCS Computer Science/ Software Engineering Option 2018

Experience

WEARHACK
Kitchener, ON
Director of Technology — May 2016 to Sep 2016

• A nonprofit organization with the ambition to create a stronger tech community in Waterloo and Canada. WearHacks is among Canada's most anticipated hackathons, with over 250 attendees.
• Design and built web applications with ReactJs, Express and Node.js for participant registration, food & hardware management and final judging results.

BIDVINE
Waterloo, ON
Full Stack Developer — May 2016 to Sep 2016

• Developed various back-end features such as daily cron jobs that helped maintain our PSQL database and to send reminders to our customer.
• Created new RESTful API end points using Node.js, PSQL,and Sequelize,
• Developed solutions to front-end problems using Ember.js, Foundation, Ajax, and HTML5,
• Significantly improved the searching function on Bidvine by integrating the elasticsearch.js API,
• Implemented Pokemon GO feature on our website which gained significant traffic and was later featured on Kotaku,

BLACKBERRY
Waterloo, ON
Software Engineering Intern — May 2015 to Sep 2015

• Support and develop data pipelines for business applications and dashboards that impact decisions made within all departments of the Quality organization.
• Help design and develop a Python API that perform CRUD operations for various database objects.
• Performed various experiments in order to research and evaluate solutions for building a data mining platform - the tests covered everything from designing easy user interfaces to the technical considerations.

SUN LIFE FINANCIAL
Waterloo, ON
Full Stack Developer — Sep 2014 to Dec 2014

• Worked as a Full stack developer with the digital enterprise team.
• Designed and built a spread sheet application for configuring an enterprise service for human resource allocation using skills in Java,Spring MVC and JQuery and Bootstrap.

Projects

OPENDOTA
• An open source project developed using React.js, Node.js and MongoDB.
• Contributed features such as hero ranking pages and a unified search bar to help navigate the site

DISPLAYPYANADA
• A tool that can quickly allow users create various types of graphical representation with any data.
• PPDM is Python based tool that allows user to query data from an Oracle Database using the Logstash, ElasticSearch, KibanaStack (ELKStack).

QuikList
• QuikList is a web application, built at Hack the North 2015, which allows users to to enter a list of items in their shopping list. A map was then generated, providing the most optimized route to all items on the list.
• Technologies use: JavaScript, HTML, CSS, FireBase, and Parse.