

DANNY GOSAIN

3RD YEAR SYSTEMS DESIGN ENGINEERING

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EDUCATION

UNIVERSITY OF WATERLOO

Candidate for B.A.Sc.
Systems Design Engineering
2013 – 2018

Relevant Courses

Data Structures and Algorithms
Digital Computation
Digital Systems
Graphics

PROGRAMMING

PROFICIENCIES

Java / JavaScript / C++
HTML5 / CSS / SQL

FAMILIARITIES

C / C# / Swift / Objective-C
Python / Groovy / Node.js
React.js

TECHNOLOGIES

Git / Bash / UNIX / Jenkins
Apache Maven / IBM Bluemix
ElasticSearch / Logstash
Dynatrace / Ant

INTERESTS

Tesla / Basketball / Soccer
Sitcoms / Bad Puns

EXPERIENCE

SOFTWARE DEVELOPER

Royal Bank of Canada / Jan 2016 – Apr 2016

- Designed, developed, and managed a successful cloud-based mobile web application from conception to completion, which is used company-wide for investment portfolio reviews and updates
- Developed web interface using JSP, Servlets, JavaScript and JDBC
- Developed HTML prototypes and UI deliverables, such as wireframes, screen mockups, and interface design specifications
- Initiated ELK Big Data project for real-time log management and Dynatrace for analytics
- Implemented DevOps for continuous build and deployment processes, combining and automating tools like Jenkins and UrbanCode

INFORMATION SOLUTIONS ANALYST

Maple Leaf Foods / May 2015 – Aug 2015

- Responsible for all aspects of troubleshooting, installing, training, and functioning of weekly SAP transport procedures
- Provided customer support that included installation, service, integration, testing, and troubleshooting of assigned systems
- Created a responsive SharePoint website design for the Operations department with master pages, page layouts and display templates

WEB DEVELOPER

Toronto District School Board / Jan 2014 – Apr 2014

- Specialized in prototyping website designs for new schools, providing custom web interface and patching incompatible WordPress plugins
- Redesigned athletics department's website to improve usability and interface
- Developed PHP-to-Windows email forms for creating, cataloging, and managing events for the athletics department

PERSONAL PROJECTS

INSTAFIND

Apr 2016 – May 2016

- An application based Radio frequency object locator system with RFID tags – which are placed on objects, radio spokes to send out radio signals which are read by the tags, and a central hub to communicate with the web server
- The users select an object to locate from the application and the radio spokes transmits a search RF signal to locate the desired object

GUITAR AUTOTUNER

Nov 2015 – Dec 2015

- Built an electric guitar tuner using the knowledge of operational amplifiers, Arduino, and high pass filters
- Connected the strings to an oscilloscope, which received the sound waves and increased to amplitude for the Arduino to set to the desired frequency