

# Siraj Rauff

FULL STACK WEB DEVELOPER · SOFTWARE ENGINEERING STUDENT

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## Education

### York University

Toronto, Canada

B.ENG. IN SOFTWARE ENGINEERING

Sep. 2012 - Apr. 2017

- Sole recipient of the **2015-16 Royal Bank Emergency Bursary Fund** (\$2500) for the Faculty of Lassonde requiring academic merit
- **ENG 1000 (A)** Winner of 2013 Murphy's Cup - Led a team in designing and building a robot to autonomously navigate an obstacle course

## RELATED PROJECT

### Botanica - Engineering Capstone Project

ENG 4000

PROJECT MANAGER - **TENTATIVE GRADE: A**

Sep. 2015 - Apr. 2016

- Elected Project Manager of a team building a virtual reality application focused on therapeutic and educational benefits for low mobility users
- Applied the **Agile Development methodology** with weekly SCRUM meetings to allow for **timely deliverables** and **accountability**.
- Rapidly developed prototypes in isolation using Git to showcase and test different features.

**Applied Skills** Project Management, Object-oriented Programming, Requirements Engineering, Unity 3D (C# Scripting)

## Experience

### Full Stack Web Developer/Java and SQL Programmer

Toronto, Canada

STUDENT INFORMATION SYSTEMS, UIT, YORK UNIVERSITY

Aug. 2014 - Present

- Forerunner for migration of staff apps to web, converting legacy staff applications to web applications in a Linux development environment
- Using SQL to create/modify procedures, functions, tables and reports in order to provide clients with requested information as well as automatically sort and process information received by the University.

### Helpdesk Assistant

Toronto, Canada

CLIENT SERVICES, UIT, YORK UNIVERSITY

Aug. 2013 - Aug. 2014

- Provided front-line support for computer, network and account management to students and faculty through phone, online chat and in person.
- Used problem solving skills and critical thinking to diagnose and fix email, software and virtualization issues with clients' computers on a variety of operating systems.

## PROJECTS

### Migration of Staff Applications to Web

RECREATION OF C++/VISUAL PROLOG APPLICATIONS IN JQUERY + AJAX/JSON

- Manually recreated a Visual Prolog program as a web application to allow end-users to connect without the use of virtualization software.
- Worked as part of a team to automate conversion of C++ staff applications to web applications.
- Communicated with other departments throughout the development process to ensure programs met clients' needs.

### OEN (Ontario Education Number) Web Service

JAVA APPLICATION TO VALIDATE STUDENT INFORMATION USING WEB SERVICE

- Collaborated with the Ontario Ministry of Education to develop an application to verify government student data against university records.
- Developed application in Java with JDBC API + Oracle 11g to access/store student information and Apache Axis2 engine for SOAP functionality.

### GPAC

GRADE POINT AVERAGE CALCULATOR

- Modified an existing SQL procedure that automatically calculated normalized York GPAs for incoming transfer students from other institutions to deal with institutions that did not comply with agreed formatting standards for electronic document transfers.
- Project resulted in sub-second response time and automatic handling of 99.5% of applicants in 25/26 institutions.

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## Skills

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### Documentation/Project Management Tools

Microsoft Office Suite/Google Docs, Atlassian FishEye/Confluence, Slack, Basecamp, TeXworks and Remedy IT Suite

### Languages & Notations

C/C++, Java, CSS3/HTML5/XML, JavaScript, JSON/AJAX, Event-B, LaTeX, MIPS, Bash, SQL (Oracle 9i,11g; DB2), Verilog

### Operating Systems

Linux, Windows, OS X, iOS

### Frameworks

jQuery, WebObjects/Wonder

### Development Tools

Android Studio, Eclipse, EiffelStudio, SQL Developer, Visual Studio, Maven, Ant

### Version Control Systems

Git, CVS, SVN

### Programs

Citrix Receiver, VirtualBox, PTC Creo, Unity 3D,