GUNIN KHANNA

✉ g3khanna@edu.uwaterloo.ca 🌐 http://guninkhanna.xyz in guninkhanna ⌂ guninkhanna

SKILLS

LANGUAGES: C, C++, Java, HTML, CSS, MATLAB, Groovy, JavaScript

FRAMEWORKS & LIBRARIES: Mean.js, Bootstrap

OTHERS: Git, XML, FPGA, Agile Methodologies , Assembly Code, VHDL, API Testing, SoapUI, JSON, JIRA

AWARDS

University of Waterloo ·
Engineering International Student Scholarship
 · Extraordinary overall performance, awarded to 20 international students

University of Waterloo ·
President's Scholarship of Distinction
 · Obtaining an overall incoming average above 95%

UXP Systems ·
Certified Scrum Team Member

EDUCATION

University of Waterloo
Computer Engineering, Honours, Co-operative Program
Relevant Courses
· Operating Systems · Embedded Microprocessor Systems · Data Structures and Algorithms · Electronic Circuits · Digital Circuits and Systems · Fundamentals of Programming

ACTIVITIES

Hackster's Club
- Assisted in a drone implementation, including hardware design to make it cost effective

Mathematics blog
- guninkhannamathematics

EXPERIENCE

UXP Systems
Toronto, ON
QA Automation Engineer · Jan 2017 to May 2017
- Worked on an Agile project with Vodafone, **3.2 million** users, to implement functionalities such as SAML login, registration, authentication, and CSR control
- Implemented API testing using *SoapUI, JSON, Postman, Git, CURL and JavaScript* in a **UNIX** *box* with a **98.9%** automotive coverage
- Developed **Groovy** scripts to retrieve Captcha, session-id, cookies and created data tables in the database using **SQL**
- Designed and developed automated tests for CWC Flow, ULM and streaming service, using *Java, Selenium WebDriver, XML, TestNG* and increased the coverage by **87.6%**

SOTI Inc
Mississauga, ON
Quality Assurance Analyst · May 2016 to Sep 2016
- Implemented *functional*, *integration*, *regression* and *performance* testing for SOTI's Web and Mobile applications for features such as Remote Control and Geo Restrictions
- Successfully assisted the team to decrease the battery consumption by the service for Android users by **16%**
- Compiled and tested software builds on multi-OS (Android, iOS, and Windows), and documented bugs in a JIRA repository

PROJECTS

Spore | Node.js, Java and MongoDB
- Worked in a team to make an organizational tool for students, designed and implemented an algorithm to intelligently read critical dates and information from the course outline with an accuracy of **92.3%**
- Implemented the UI by replicating the mockups, used **HTML, CSS, Bootstrap** and **JavaScript** to achieve a responsive, performant, and accessible interface

Personal Website | HTML, CSS, Bootstrap and JavaScript
- Designed and developed my personal website to highlight my projects

Path | Android
- Designed and implemented a *pedometer algorithm*, to determine the *shortest* distance between points on an indoor map that updates based on user position

Roshambo | HTML, CSS and JavaScript
- Implemented a Roshambo webapp, which allows the users to play against a virtual player, based on randomly generated choices

Data Structures and Algorithm | C++
- Developed a **Trie** Data Structure, a **26-ary** tree, using *recursive* programming
- Implemented a **Hash Table** data structure, used *linear probing* to resolve collision, and **MST** of a weighted undirected graph, using the **Kruskal's** Algorithm