Shehan Suresh

University of Waterloo **Software Engineering** Candidate 2021

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Technical Skills

Languages	Experienced with Java, Python, RobotC, C, C++, HTML, CSS
	Familiar with MySQL, JavaScript
Tools	Git, SVN, Vim, Android Studio, DrJava, Eclipse, NetBeans, Xcode

Projects

Quizzlet   November 2016 - Present
Java (GUI), MySQL, Swing, AWT Libraries and Access
- Developed a student and teacher friendly application that allows users to make and take quizzes
- Used Swing and AWT Libraries to create the graphical user interface
- Linked Access Database to dynamically store and manage data from quizzes

JUMP   October 2016 - December 2016
C, C++ and Tiva-C Arduino Board
- Programmed a multi-level game where the user dodges randomly generated obstacles
- Utilized buttons, accelerometer and potentiometer to control a character on an LED screen

ShehanSuresh.me   December 2016 - Present
HTML, CSS and Javascript
- Designed and developed a personal website to showcase my projects
- Stylized, animated and formatted the website for various screen widths using CSS and Javscript

Experience

Head Programmer and Mentor at High School Robotics Team   2013 - 2016
- Programmed both tele-operated and autonomous code for robots to perform specific actions
- Optimized RobotC code to increase the efficiency of picking up balls and shooting them in a net by 20%
- Utilized camera vision to detect driver's arm motion in order to control the lateral motion of the robot
- Assisted students with building functions that help the robot perform a set of predetermined tasks
- Dedicated 15 hours a week programming and building the robot

Science and Math Teacher at TUSGU Educational Services   2014 - 2016
- Taught students from Grades 4 - 10 to prepare them for the upcoming school year
- Improved oral and written communication skills by conveying and summarizing key ideas for students
- Manged time effectively and demonstrated dedication to the company by preparing lesson plans and tests during spare time and outside of work hours

Education

University of Waterloo, Bachelor of Software Engineering (1B)	2016 - 2021
Sir Wilfrid Laurier CI, OSSD and International Baccalaureate Diploma	2012 - 2016

Awards

1A Term Dean's Honours List (92.2% Term Average)	2016
President's Scholarship of Distinction and Nortel Scholarship	2016
Grade 12 IB Physics and IB Chemistry Award (Highest Mark in School)	2016
Euclid Math Contest School Champion (Highest Mark in School)	2016
Grade 12 Computer Science Award (Completed in Grade 10)	2014