

# SHREY KAVI

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## TECHNICAL SKILLS

Hardware	ARM Assembly, Arduino, MATLAB, FPGA, VHDL, Linux
Programs	Altera Quartus, Keil ARM MDK, MultiSim, AutoCAD, Android Studio, Visual Studio, Xcode
Back-end	C, C++, C#, Java, SQL, Laravel, JSON, Gherkin, Bash, Git, SVN
Front-end	JavaScript, ES6, React.js, JQuery, PHP, HTML5, SASS, CSS3, Gulp, npm


## PROJECTS

<b>Benny-bot</b> Aug 2017	<ul style="list-style-type: none"><li>Slackbot translates French to English using Google Translation API with user confirmation system which contributes to a growing database of translated data</li></ul>
<b>Reaction Game</b> Jan 2017 – May 2017	<ul style="list-style-type: none"><li>Keil ARM microprocessor used to capture user reaction times and display microseconds to LEDs using interrupt service routines and polling subroutines</li></ul>
<b>WaitLess</b> Sep 2016	<ul style="list-style-type: none"><li>Automated restaurant attendant using RC vehicle; designed with Arduino C and Bluetooth communication from Android phones during HackTheNorth</li></ul>
<b>MorseCode</b> Jul 2016	<ul style="list-style-type: none"><li>VHDL project which uses LED output on FPGA board to display ASCII characters in Morse code utilizing memory mapping</li></ul>
<b>LazyWalk: Shortest Path</b> May 2016 – Aug 2016	<ul style="list-style-type: none"><li>Shortest path finding Android App designed working with Android Studios (XML, Java, embedded system design, FSM, Dijkstra's Algorithm)</li></ul>

## RECENT EXPERIENCES

<b>Web Developer</b> RBC Global Asset Management Toronto, ON Jun 2017 – Sep 2017	<ul style="list-style-type: none"><li>Full-stack development for applications used by thousands of advisors</li><li>Reconstructed third-party web tools using React framework</li><li>Pushed apps to production and patched critical bugs</li></ul> <b>React, JQuery, Laravel, SQL, Git, Bash, JavaScript, ES6, HTML5, CSS3</b>	
<b>Software Engineering in Test</b> D+H Financial Technologies Mississauga, ON Sep 2016 – Dec 2016	<ul style="list-style-type: none"><li>Developed framework for RESTful API performance testing</li><li>Built scripts for improved web testing using Selenium and Coded UI</li><li>Communicated with developers to ensure quality control</li></ul> <b>API Testing, Performance Testing, Automated Testing, C#, Java</b>	
<b>CAD Operator</b> Plan Group Vaughan, ON Jan 2016 – Apr 2016	<ul style="list-style-type: none"><li>Addressed design and formatting concerns from various consultants</li><li>Worked on large scale Single Line Diagram Schematics</li><li>Utilized AutoCAD to complete drawings for records and manuals</li></ul> <b>AutoCAD, Single Line Diagrams, Production Planning</b>	

## EDUCATION

<b>BASc Computer Engineering Co-op Honors</b> University of Waterloo 2015 – 2020	Received President's Scholarship in 2015. Relevant courses: Embedded Microprocessors, Operating Systems and Systems Programming, Algorithms and Data Structures, Android and Embedded Systems Design	
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