

# Syed Faraz Hussain

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## Skills

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<b>Languages</b>	Python, Java, Javascript, C/C++, SQL, R
<b>Tools &amp; Frameworks</b>	Node.js, React, Express, Flask, Swing, MongoDB, PostgreSQL, Shell, Git, Verilog

## Experience

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<b>Sidewalk Labs</b> <i>Web Application Developer</i>	Toronto, ON, Jan 2020 - Apr 2020
<i>Python, Jupyter, OpenCV, ipywidgets, HTML, CSS</i>	
<ul style="list-style-type: none"><li>• <b>Lead a team of three</b> to create a web application that organizes and visualizes pedestrian and vehicle data collected by Numina sensors from locations around Toronto.</li><li>• Utilized OpenCV Python framework to produce <b>dynamically generated heatmaps</b> and <b>velocity maps</b>.</li><li>• Provided extensive documentation and presented finished application to shareholders and senior developers at Sidewalk Labs.</li></ul>	
<b>Taruca Inc.</b> <i>Web Application Developer</i>	Toronto, ON, Apr 2019 - Present
<i>React, Node.js, Express, MongoDB, Javascript, HTML, CSS</i>	
<ul style="list-style-type: none"><li>• Founded and managed a <b>student run startup</b> that develops software solutions for small businesses.</li><li>• Held weekly team meetings and supervised the completion of tasks.</li><li>• Created a <b>web reservation system</b> for a small family owned restaurant and developed an algorithm to select <b>optimal seating arrangements</b> for reservations.</li></ul>	

## Projects

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<b>Sigma</b>	github.com/farazsfh/sigma
<i>React, Node.js, Express, Javascript, Spotify API, Recharts, HTML, CSS</i>	
<ul style="list-style-type: none"><li>• Developed various personalized Spotify playlist <b>data visualizations</b> using information from the Spotify Web API.</li><li>• Created backend web server with Express to <b>securely authenticate</b> users and handle API requests from the React frontend.</li><li>• Built an <b>interactive React webpage</b> to display customizable visualizations that allow the user to thoroughly explore their data.</li></ul>	
<b>EasyHR</b>	github.com/farazsfh/easyhr
<i>Java, Swing</i>	
<ul style="list-style-type: none"><li>• Built a <b>graphical HR system</b> that allows recruiters to set up interviews, collect resumes and conduct multiple interview rounds.</li><li>• Created an authentication system that manages both user and recruiter accounts and produces different views based on account type.</li><li>• Produced <b>UML diagrams</b> to organize classes and manage inheritance and relationships between them.</li></ul>	
<b>StockView</b>	github.com/farazsfh/stockview
<i>Python, Flask, Celery, Finnhub API, HTML, CSS</i>	
<ul style="list-style-type: none"><li>• Created an interactive webpage displaying <b>real time market information</b> about any user selected stocks, cryptocurrency and forex.</li><li>• Utilized Finnhub financial data API with Celery framework to manage updates of ticker data while <b>avoiding overload of API requests</b>.</li></ul>	
<b>Todo</b>	github.com/farazsfh/todo
<i>Android, Java</i>	
<ul style="list-style-type: none"><li>• Built a <b>responsive</b>, easy to use todo list application for Android 5.0+.</li><li>• Created a rewards system that incentivizes completing tasks and archives completed tasks for future reference.</li></ul>	

## Education

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<b>University of Toronto</b>	Bachelor of <b>Computer Science &amp; Data Science 2018-23</b> , 3.89 GPA
<b>Courses</b>	OOP, Databases, Algorithms, Web Programming, Software Engineering, Software Tools