

# 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, PostgreSQL, MongoDB, Swing, 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>• Worked with a team of three to create a web application that organizes and visualizes pedestrian, vehicle as well as cycling data collected by Numina sensors.</li><li>• Utilized OpenCV Python framework to produce dynamically generated heatmaps and velocity maps.</li><li>• Provided extensive documentation and presented finished application to shareholders as well as senior developers at Sidewalk Labs.</li></ul> |                                  |
| <b>Taruca Inc.</b> <i>Software 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 student run startup that develops software solutions for small businesses.</li><li>• Held weekly scrum meetings and made key design/functionality decisions.</li><li>• Created a web reservation system using React and Express for a small family owned restaurant. Developed an algorithm to select optimal seating arrangements 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 data visualizations using information from the Spotify Web API.</li><li>• Created backend web server with Express to securely authenticate users and handle API requests from the React frontend.</li><li>• Built an interactive React webpage 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 graphical HR system that allows recruiters to set up interviews, collect resumes and conduct multiple interview rounds.</li><li>• Created an authentication system that manages both user as well as recruiter accounts and produces different views based on account type.</li><li>• Produced UML diagrams to organize classes and manage inheritance and relationships between them.</li></ul> |                               |
| <b>StockView</b>   | github.com/farazsfh/stockview |
| <i>Python, Flask, APScheduler, Finnhub API, HTML, CSS</i>  |                               |
| <ul style="list-style-type: none"><li>• Created an interactive webpage displaying real time market information about any user selected stocks, cryptocurrency and forex.</li><li>• Utilized Finnhub financial data API with the APScheduler framework to manage updates of ticker data while avoiding overload of API requests.</li></ul>  |                               |
| <b>Todo</b>  | github.com/farazsfh/todo      |
| <i>Android, iOS, React Native</i>  |                               |
| <ul style="list-style-type: none"><li>• Built a responsive, easy to use todo list application for Android, iOS and Web using React Native.</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 Computer Science & Data Science, 3.89 GPA	<b>Expected May 2023</b>
<b>Courses</b>	OOP, Databases, Algorithms, Web Programming, Data Science, Software Tools, Software Engineering	