

# Syed Faraz Hussain

☎ 647-835-4450 · ✉ farazhussain2000@gmail.com  
🌐 faraz-hussain.com · 🌐 farazsfh · in syed-faraz-hussain

## Skills

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

## 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>	

- 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.
- Utilized OpenCV Python framework to produce dynamically generated heatmaps and velocity maps.
- Provided extensive documentation and presented finished application to shareholders as well as senior developers at Sidewalk Labs.

<b>Taruca Inc.</b> <i>Software Developer</i>	Toronto, ON, Apr 2019 - Present
<i>React, Node.js, Express, MongoDB, Javascript, HTML, CSS</i>	

- Founded and managed a student run startup that develops software solutions for small businesses.
- Held weekly scrum meetings and made key design/functionality decisions.
- 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.

## Projects

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<b>Super Eats - HackThe6ix 2020</b>	github.com/farazsfh/supereats
<i>React, Python, Azure, MongoDB, Express, Node.js, Javascript, Twilio API</i>	

- Built a grocery ordering system that uses Azure speech to text as well as Azure natural language understanding (LUIS) to recognize and place orders over the phone.
- Developed an Express server to facilitate communication between Azure services, MongoDB, the frontend web application and the Twilio API.
- Made a React webpage with inventory management, order processing and data overview sections.

<b>Sigma</b>	github.com/farazsfh/sigma
<i>React, Node.js, Express, Javascript, Spotify API, Recharts, HTML, CSS</i>	

- Developed various personalized playlist data visualizations using information from the Spotify Web API.
- Created backend web server with Express to securely authenticate users and handle API requests from the React frontend.
- Built an interactive React webpage to display customizable visualizations that allow the user to thoroughly explore their data.

<b>EasyHR</b>	github.com/farazsfh/easyhr
<i>Java, Swing</i>	

- Built a graphical HR system that allows recruiters to set up interviews, collect resumes and conduct multiple interview rounds.
- Created an authentication system that manages both user as well as recruiter accounts and produces different views based on account type.
- Produced UML diagrams to organize classes and manage inheritance and relationships between them.

<b>StockView</b>	github.com/farazsfh/stockview
<i>Python, Flask, APScheduler, Finnhub API, HTML, CSS</i>	

- Created an interactive webpage displaying real time market information from Finnhub about any user selected stocks, cryptocurrency and forex.
- Managed updates of ticker data with APScheduler to avoid overload of API requests.

## Education

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<b>University of Toronto</b>	Bachelor of Computer Science & Data Science, 3.90 GPA	<b>Expected May 2022</b>
<b>Courses</b>	OOP, Databases, Algorithms, Web Programming, Data Science, Software Tools, Software Engineering	