

Syed Faraz Hussain

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Skills

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

Experience

Sidewalk Labs <i>Web Application Developer</i> <i>Python, Jupyter, OpenCV, ipywidgets, HTML, CSS</i> <ul style="list-style-type: none">• 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.	Toronto, ON, Jan 2020 - Apr 2020
Taruca Inc. <i>Software Developer</i> <i>React, Node.js, Express, MongoDB, Javascript, HTML, CSS</i> <ul style="list-style-type: none">• 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.	Toronto, ON, Apr 2019 - Present

Projects

Sigma <i>React, Node.js, Express, Javascript, Spotify API, Recharts, HTML, CSS</i> <ul style="list-style-type: none">• Developed various personalized Spotify 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.	github.com/farazsfh/sigma
EasyHR <i>Java, Swing</i> <ul style="list-style-type: none">• 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.	github.com/farazsfh/easyhr
StockView <i>Python, Flask, APScheduler, Finnhub API, HTML, CSS</i> <ul style="list-style-type: none">• Created an interactive webpage displaying real time market information about any user selected stocks, cryptocurrency and forex.• Utilized Finnhub financial data API with the APScheduler framework to manage updates of ticker data while avoiding overload of API requests.	github.com/farazsfh/stockview
Todo <i>Android, iOS, React Native</i> <ul style="list-style-type: none">• Built a responsive, easy to use todo list application for Android, iOS and Web using React Native.• Created a rewards system that incentivizes completing tasks and archives completed tasks for future reference.	github.com/farazsfh/todo

Education

University of Toronto Courses	Bachelor of Computer Science & Data Science, 3.89 GPA OOP, Databases, Algorithms, Web Programming, Data Science, Software Tools, Software Engineering	Expected May 2023
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