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 *Web Application Developer*   Toronto, ON, Jan 2020 - Apr 2020
Python, Jupyter, OpenCV, ipywidgets, HTML, CSS
- Led a team of three to create a web application that organizes and visualizes pedestrian and vehicle data collected by Numina sensors from locations around Toronto.
- Utilized OpenCV Python framework to produce dynamically generated heatmaps and velocity maps.
- Provided extensive documentation and presented finished application to shareholders and senior developers at Sidewalk Labs.

Taruca Inc. *Software Developer*   Toronto, ON, Apr 2019 - Present
React, Node.js, Express, MongoDB, Javascript, HTML, CSS
- Founded and managed a student run startup that develops software solutions for small businesses.
- Held weekly team meetings and supervised the completion of tasks.
- Created a web reservation system for a small family owned restaurant and developed an algorithm to select optimal seating arrangements for reservations.

Projects

Sigma   github.com/farazsfh/sigma
React, Node.js, Express, Javascript, Spotify API, Recharts, HTML, CSS
- 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.

EasyHR   github.com/farazsfh/easyhr
Java, Swing
- 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 and recruiter accounts and produces different views based on account type.
- Produced UML diagrams to organize classes and manage inheritance and relationships between them.

StockView   github.com/farazsfh/stockview
Python, Flask, APScheduler, Finnhub API, HTML, CSS
- Created an interactive webpage displaying real time market information about any user selected stocks, cryptocurrency and forex.
- Utilized Finnhub financial data API with APScheduler framework to manage updates of ticker data while avoiding overload of API requests.

Todo   github.com/farazsfh/todo
Android, iOS, React Native
- Built a responsive, easy to use todo list application for Android and iOS using React Native.
- Created a rewards system that incentivizes completing tasks and archives completed tasks for future reference.

Education

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