

Kaavya Lakshmanan

✉ kaavya.laks@gmail.com
☎ 7789033783
📍 118-6328 Larkin Drive,
Vancouver BC
🔗 kaavyalakshmanan

Skills

LANGUAGES

Python
Javascript (ES6, Typescript)
SQL
Java
R
HTML/CSS

FULL-STACK

React
Redux
Node.js
MongoDB
Express
Mongoose

INFRASTRUCTURE/AWS

Docker
S3
EC2
DynamoDB

LIBRARIES/Frameworks

d3.js
PostgreSQL
jQuery
matplotlib
geopandas
anaconda
ggplot2
BigQuery
MySQL
SQLServer

Software Engineer Skills

RESTful APIs
Web API
Data Structures
Algorithms
Version Repository
Source Code
Agile Scrum Team

Education

University of British Columbia
Bachelor of Computer Science

Sept. 2017 to May 2021

Relevant Coursework: Data Structures & Algorithms, Software Engineering, Algorithm Design & Analysis, Relational Databases, Operating Systems, Industry Skills

Employment

LiteFarm

Full Stack Engineer Intern

Vancouver, BC, Canada

Sept. 2020 to Current, Sept. 2020 to Current

- Working on the beta release of the LifeFarm app, which helps small-scale, sustainable farmers make the right decisions about the health of their farm and their livelihood.
- Reducing tech debt, writing unit tests, and working on new feature implementation.
- Technologies: Postgres, Express, Node, React/Redux

Benevity (donation-management platforms)

Software Developer Intern

Victoria, BC, Canada

May 2020 to Aug. 2020

- Translated queries from MySQL database to SQLServer database, with different ETL processes, load frequencies, and heterogeneous schemas. The translated query run on SQLServer produces a result as close to the original MySQL query as possible.
- Developing a recommender system to recommend causes and volunteering opportunities to donors, using content-based and collaborative filtering algorithms; will compare effectiveness of algorithms to choose the best algorithm.

Biba Ventures Inc.

Junior Data Scientist

Vancouver BC, Canada

May 2019 to Aug. 2019

- Implemented a system using Python to query BigQuery API to generate visualizations of Biba's exercise app usage in the USA and Canada; showcased the correlations between census data and app usage.
- Implemented auto-generation of statistical visualizations of client reports.
- Conducted a data deep dive on environmental factors (e.g., crime, obesity, and climate) that impact app activity and usage, using R.

Thoughtexchange

Software/Research Engineer

Vancouver BC, Canada

Jan. 2019 to May 2019

- Implemented a word-cloud feature using Typescript, d3.js, jQuery, and Node.js, which identifies the most important words and stores them in the form of tags, sized according to a number of metrics.
- Researched and tested several packing algorithms to find the optimal solution for displaying the words on the screen.
- Wrote a Python script that found the 'most provocative' thought in a given dataset by finding the thought with the greatest 'dwell time'.

Projects

Televet

May 2020 to Aug. 2020

- Built a tele-health MERN full-stack web-app that connects pet owners to vets. Implemented user authentication, built a customized user dashboard, and implemented API endpoints.
- Technologies: MERN stack, JWS, Bcryptjs, Javascript ES6

Music Diversifier

Sept. 2020 to Current

- Building a recommender system that allows a Spotify user to diversify their musical tastes, using Spotify's Web API.
- Technologies: Javascript ES6, Spotify API, MERN stack

Spotify Networking

Sept. 2020 to Current

- Building a social networking app that allows a Spotify user to add songs to friends' queues.
- Technologies: MERN stack, Javascript ES6, Spotify API