

# Hrithik Shah

DATA SCIENTIST | SOFTWARE ENGINEER

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## Education

### University of Ottawa

BASC IN SOFTWARE ENGINEERING (CO-OP), 3.7 GPA

- Courses include: Algorithms, Software Architecture, Statistics, Artificial Intelligence

Ottawa, Canada

Sep. 2018 - Dec. 2022

## Skills

- Programming** Python, Java, C#, C++, JavaScript, Ruby, Scala
- Data Science** SQL, Pandas, Numpy, Plotly, Scikit-learn, Tensorflow
- Full Stack** Angular, Ruby on Rails, React, Flask, HTML, CSS
- Technologies** AWS (Redshift & EC2), Jupyter Notebooks, DataRobot, Docker

## Experience

### Royal Bank of Canada

DATA SCIENTIST INTERN (FINANCIAL CRIME)

- Leveraged Word n-gram matrices and Logistic Regression to improve an entity resolution capability to 95% accuracy
- Reduced fuzzy matching processing times to under 30 minutes for millions of client records using MinHash and Locality Sensitive Hashing
- Used Latent Dirichlet Allocation and TF-IDF to flag money laundering in payment details
- Presented key insights to executives on CERB spending during the COVID pandemic

Toronto, Canada

Jan. 2020 - Apr. 2020

### Uken Games

DATA ANALYST INTERN (GROWTH)

- Developed a tool that forecasts the average lifetime value of a player based on retention to help maximize return on ad spend
- Built and deployed an autonomous system using Docker that manages \$15000 of Facebook ad campaigns
- Created interactive data visualization using Periscope Data and Python packages such as numpy, pandas, and plotly
- Built key dashboards for FTUE, retention, and time-series forecasting for soft launch of new games

Toronto, Ontario

May 2019 - Aug. 2019

## Side Projects

### Hrithik's Notes

REACT (GATSBY.JS), MDX, HTML, CSS, NETLIFY

- Created a Gitbook-type website that stores all my notes for various courses and subjects I find fascinating
- Integrated various features like MDX, Plotly charts and LaTeX, while learning React for the first time; <http://tiny.cc/hrithiks-notes>

Toronto, Ontario

Jan. 2019 - Aug. 2019

### COVID-19 Report

PLOTLY, DASH, FLASK, HEROKU

- Created a web dashboard to monitor the Covid-19 pandemic
- View it here: <http://tiny.cc/covid19report>

Toronto, Ontario

Mar. 2020 - Apr. 2020

### Clinic on Call

ANDROID STUDIO, JAVA, FIREBASE, CIRCLE CI

- Created an app that lets patients book appointments with nearby clinics
- Used Firebase for data storage, SHA-256 hashing for private information and CircleCI for automation testing
- View my app here: <https://tiny.cc/clinic-on-call>

Ottawa, Ontario

Sep. 2019 - Dec. 2019

## Extra Curricular

### Software For Love

PROJECT MANAGER

- Leading a team of SWEs with Front-end development and Chatbot creation using DialogFlow and Rasa
- Helped create a company that uses software as a service to help charitable organizations

Remote

April 2020 - Present

### Software Engineering Student Association uOttawa

CONTENT CREATOR

- Interviewing students, professors, software engineers and CEOs about their experiences in the industry with an outreach of over 1000 viewers
- Check it out here: <http://tiny.cc/uottawa-sesa>

Ottawa, Canada

Sept. 2019 - Present