

Hrithik Shah

SOFTWARE ENGINEER | DATA SCIENTIST

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Education

University of Ottawa

BASC IN SOFTWARE ENGINEERING (CO-OP)

- Courses in: Data Structures & Algorithms, Probability & Statistics, Discrete Mathematics, Linear Algebra

Ottawa, Ontario

Sep. 2018 - PRESENT

Skills

- Programming** Python, Java, C#, C++, JavaScript, Ruby, Scala
- Data Science** SQL, Pandas, Numpy, Scikit-learn, NLTK
- Full Stack** Ruby on Rails, React, Flask, HTML, CSS
- Technologies** Apache Spark, Amazon RedShift & EC2, Databricks, Jupyter

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
- Applied statistical techniques to investigate client behaviour for industry classification

Toronto, Ontario

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 using Docker, an autonomous system which 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, conversion rate and revenue for soft launch of new games

Toronto, Ontario

May 2019 - Aug. 2019

Side Projects

COVID-19 Report

PLOTLY, DASH, FLASK, HEROKU

- Created a web dashboard to monitor the Covid-19 pandemic
- View it here: <http://tiny.cc/covid19-report>

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

Funble

RUBY ON RAILS, HTML, CSS, REACT

- Created a MVP of a live chat web app that lets users talk about their interests in real-time, View it here: <http://tiny.cc/Funble>
- Gained experience with OOP, WebSockets, SDLC, ORM, and Databases

Ottawa, Ontario

Jan. 2019 - Aug. 2019

Extra Curricular

Software Engineering Student Association uOttawa

EVENTS COORDINATOR AND CONTENT CREATOR

- Creating a YouTube channel that facilitates academic and career support to 500+ computer science and software engineering students
- Check it out here: <http://tiny.cc/uottawa-sesa>

Ottawa, Ontario

Sept. 2019 - Present

TurnerHacks

HEAD OF SPONSORSHIP

- Brought in over 10 tech. companies as corporate sponsors for the event in order to fund costs for food, workshops and participants' fees
- Raised over \$5000 dollars in product sponsorship and over \$1000 in monetary sponsorship

Brampton, Ontario

Nov. 2017 - Jun. 2018