

Hrithik Shah

SOFTWARE ENGINEER | DATA SCIENTIST

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Education

University of Ottawa

Ottawa, Ontario

BASC IN SOFTWARE ENGINEERING (CO-OP)

Sep. 2018 - PRESENT

- Courses in: Data Structures & Algorithms, Intro to Software Engineering, Discrete Mathematics, Linear Algebra

Skills

Programming Python, Java, C#, JavaScript, Ruby
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

Toronto, Ontario

DATA SCIENTIST INTERN (FINANCIAL CRIME)

Jan. 2020 - Apr. 2020

- 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

Uken Games

Toronto, Ontario

DATA ANALYST INTERN (GROWTH)

May 2019 - Aug. 2019

- 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

Side Projects

Clinic on Call

Ottawa, Ontario

ANDROID STUDIO, JAVA, FIREBASE, CIRCLE CI

Sep. 2019 - Dec. 2019

- 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>

Funble

Ottawa, Ontario

RUBY ON RAILS, HTML, CSS, REACT

Jan. 2019 - Aug. 2019

- 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

Invasion of the Shadows

Brampton, Ontario

UNITY, C#, JAVASCRIPT

Nov. 2014 - Aug. 2015

- Created and deployed a 2D RPG Platformer computer game designed to help students learn about ancient civilizations
- Experience using Unity's StateMachine Transitions, Rigidbody, and CharacterController
- View my game here: <https://tiny.cc/invasion-shadows>

Extra Curricular

Software Engineering Student Association uOttawa

Ottawa, Ontario

EVENTS COORDINATOR AND CONTENT CREATOR

Sept. 2019 - Present

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

TurnerHacks

Brampton, Ontario

HEAD OF SPONSORSHIP

Nov. 2017 - Jun. 2018

- 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