

# Hrithik Shah

SOFTWARE ENGINEER | DATA SCIENTIST

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## Education

### University of Ottawa

Ottawa, Ontario

BASC IN SOFTWARE ENGINEERING (CO-OP) - 3.3 GPA

Sep. 2018 - Dec. 2022

- 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

**Full Stack** Ruby on Rails, React, Flask, HTML, CSS

## Experience

### Royal Bank of Canada

Toronto, Ontario

DATA SCIENTIST INTERN

Jan. 2020 - Present

- Developing a portfolio of applications for machine learning techniques around threat/risk typologies, client segmentation, entity resolution
- Delivering analytic products capable of intelligent automation and improved interactions
- Training and implementing a predictive model to identify launderers using correspondent banking to layer funds

### Uken Games

Toronto, Ontario

DATA ANALYST INTERN

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
- Gained experience with Amazon RedShift, Databricks, Jupyter Notebook

## Side Projects

### 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
- Gained experience with Ruby on Rails, OOP, WebSockets, SDLC, ORM, and Databases

### Invasion of the Shadows

UNITY, C#, JAVASCRIPT

- 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>

### Clinic on Call

ANDROID STUDIO, JAVA

- Created an app that lets patients books 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>

## Extra-Curricular

### Software Engineering Student Association uOttawa

Sept. 2019 - Present

EVENTS COORDINATOR AND CONTENT CREATOR

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

### TurnerHacks

Nov. 2017 - Jun. 2018

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