



# Hrithik Shah

SOFTWARE ENGINEER

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## Education

### University of Ottawa

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

- Courses in: Data Structures & Algorithms, Object-Oriented Programming, Discrete Mathematics, Calculus I & II

Ottawa, Ontario

Sep. 2018 - PRESENT

## Skills

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|---------------------|--|
| <b>Programming</b>  | Python, Java, C#, JavaScript, Ruby                       |
| <b>Data Science</b> | Spark, Amazon RedShift, Scala, Microsoft SQL Server, SQL |
| <b>Back-end</b>     | Ruby on Rails, WebSockets, REST API, CRUD, ORM           |
| <b>Front-end</b>    | React, HTML5, CSS3, SEO, Google Analytics                |

## Experience

### Uken Games

DATA ANALYST INTERN

- Developed a tool that forecasts the average lifetime value of a player based on retention to help stakeholders maximize return on ad spend targets.
- Created interactive data visualization using Periscope Data and Python packages such as numpy, pandas, and plotly.
- Provided key dashboards for FTUE, retention, and revenue for soft launch of new games.
- Communicated data-driven performance to various project stakeholders.
- Gained experience with Apache Spark, RedShift, Facebook Ads Manager.

Toronto, Ontario

May 2019 - Aug. 2019

### Astral Solutions

SOFTWARE DEVELOPER INTERN

- Reduced Microsoft SQL Server data analysis times from 20 hours to 20 minutes.
- Created store procedures to pivot data tables using Dynamic SQL.
- Developed an algorithm to consolidate client costs into a structured table required for automated expenditure calculations.

Mississauga, Ontario

Jul. 2018 - Aug. 2018

## Side Projects

### Funble

RUBY ON RAILS, HTML, CSS, REACT

- Currently working alongside and being mentored by CEO of BiteSite, Casey Li.
- Gained experience with Ruby on Rails, OOP, WebSockets, SDLC, ORM, and Databases.
- In the process of creating a web application that allows users to discuss topics in real time.

Ottawa, Ontario

Jan. 2019 - PRESENT

### TurnerHacks

BUSINESS, PITCHING, 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 sponsorships and over \$1000 in monetary sponsorships.
- Collaborated with Major League Hacking (MLH) to ensure a successful hackathon.

Brampton, Ontario

Nov. 2017 - Jun. 2018

### SHAD - John Dobson Entrepreneurship Cup

PROTO.IO, BUSINESS, PITCHING

- Created a Minimum Viable Product (MVP) using Proto.io that helps consumers see the carbon emissions created by an article of clothing.
- Partnered with new start-ups to promote eco-friendly products.
- Presented an elevator pitch to a panel of investors.

Fredericton, New Brunswick

Jul. 2017

### 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://goo.gl/cMYjaL>

Brampton, Ontario

Nov. 2014 - Aug. 2015