

# Hrithik Shah

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## EDUCATION

### University of Ottawa

BASc in Software  
Engineering (COOP)  
Sept. 2018 – Present

### Turner Fenton S.S.

IB Diploma  
June 2018

## COURSEWORK

### MATH

Discrete Mathematics  
Linear Algebra  
Graph Theory  
Calculus I & II

### COMPUTER SCIENCE

Object-Oriented Programming  
Data Structures

## SKILLS

### PROGRAMMING

Over 5000 lines:  
Java • SQL Server • Python  
Familiar:  
C# • JavaScript • HTML •  
CSS • SEO

### BUSINESS

Fundraising • Pitching

## AWARDS

2<sup>nd</sup> Place - Startup Pitch  
Competition SEG uOttawa  
(2018)

Tennis Team - Most Valuable  
Player (2018)

Waterloo Fryer Math Contest  
Top 25% (2015)

## HOBBIES

Piano

Photography

Strategy Board Games

Tennis

## WORK EXPERIENCE

### ASTRAL TECH | Software Developer Intern

July 2018 – Aug 2018 | Mississauga, ON

- Created a store procedure that pivots horizontal data tables into vertical tables using dynamic SQL
- Created an algorithm that flexibly allocates client costs into an organized table for data analysis
- Reduced data analysis times from 20 hours to 20 minutes

### SMILEWORKS ORTHODONTICS | Equipment Technician

July 2015 – Aug 2015 | Brampton, ON

- Used state-of-the-art equipment to scan over 100 3-D tooth models and x-rays which aided the orthodontist in projecting dental plans for patients
- Learnt various orthodontic techniques and dental practises such as Invisalign used for treating the mouth

## EXTRA-CURRICULAR

### TURNERHACKS | Head of Sponsorship

Nov 2017 – June 2018 | Turner Fenton S.S.

- Brought in 10+ tech companies as corporate sponsors for the event which helped fund costs for food, workshops and participants' fee
- Raised over \$5000 USD in product sponsorships and over \$1000 CAD in monetary sponsorships
- Worked with Major League Hacking (MLH) to ensure a successful hackathon

### SHAD | John Dobson Entrepreneurship Cup

July 2017 – Aug 2017 | University of New Brunswick

- Presented an Elevator Pitch to a panel of investors
- Created an alpha version app using Proto.io, that helps consumer see the carbon emissions created for an article of clothing
- Partnered with new start-ups to promote local businesses and eco-friendly products

## SIDE PROJECTS

### INVASION OF THE SHADOWS | Unity, C#, JavaScript

Nov 2014 – Aug 2015

- An RPG game made to help students learn about ancient civilizations  
<https://goo.gl/cMYjaL>

### YUGIOH CARD GAME | Java

Dec 2015 – Jan 2016

- Using Object-Oriented principles developed a modified version of the Yugioh Card Game <https://goo.gl/M5jMPa>

### SEARCH ENGINE | Python

Nov 2018 – Dec 2018

- Created a web crawler that utilizes Depth-First Search, an index and a page rank algorithm to develop a prototype search engine