

# Hrithik Shah

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## EDUCATION

### University of Ottawa

BASc in Software  
Engineering (CO-OP)  
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

### BUSINESS

Fundraising • Pitching • SEO

## AWARDS

2<sup>nd</sup> Place - Startup Pitch  
Competition uOttawa (2018)  
Tennis Team - MVP (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

- Reduced data analysis times from 20 hours to 20 minutes by:
  - creating store procedures to pivot data tables using Dynamic SQL
  - developing an algorithm to consolidate client costs into a structured table required for automated expenditure calculations

### SMILEWORKS ORTHODONTICS | Equipment Technician

July 2015 – Aug 2015

- Used state-of-the-art equipment to scan 100+ 3D tooth models and x-rays to aid orthodontists 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

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

### SHAD | John Dobson Entrepreneurship Cup

July 2017 – Aug 2017

- Created an alpha version app using Proto.io that helps consumers to 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

## SIDE PROJECTS

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

Nov 2014 – Aug 2015

- An RPG game designed 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 prototype version of the Yugioh Card Game <https://goo.gl/M5jMPa>

### SEARCH ENGINE | Python

Nov 2018 – Dec 2018

- Developed a web crawler that utilizes Depth-First Search, an index, and a page rank algorithm to build a rudimentary search engine  
<https://goo.gl/ktdSfv>