

# Vanshil Shah

## Contact

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## Education

### University of Toronto BSc

Computer Science Specialist

September 2015 – April 2019

(expected)

## Skills

Android	Javascript
C++	Litho
CSS	NodeJS
Elasticsearch	OpenCV
Express.js	PostgreSQL
Git	Python
Go	React
HTML	React-Native
Java	SolidWorks

## Achievements

### UofTHacks III

Event Organizer

### Cisco DevNet Hackathon

3<sup>rd</sup> Place

### OTSC Provincial CAD Skills

3<sup>rd</sup> Place

### TDSB CAD Skills

1<sup>st</sup> Place

### Ryerson Sportshack

3<sup>rd</sup> Place

### DECA Regional Exam

Top 10

### DECA Oral Presentation

Top 10

### TDSB EdAppHack

2<sup>nd</sup> Place

## Relevant Experience

### Facebook | Software Engineering Intern

May 2018 - August 2018 | Menlo Park, CA

- Developed new features for Messenger Android using **Litho** and **GraphQL**
- Used experimentation frameworks to A/B test features around the world
- Implemented Search across multiple pages of a new feature
- Developed a unique caching strategy to save network usage while consistently maintaining fresh data

### Uber | Software Engineering Intern

May 2017 - August 2017 | San Francisco, CA

- Built an integration using Facebook Graph API and UBER **Trip Experiences** to match a trip destination with users' Facebook Events (written in **Go**)
- Improved debugging experience for 3rd party developers by developing a debugging console in **React** and **Go**
- Used **Elasticsearch** and dynamic templates to store error logs produced across many services ingested from **Kafka**

### Hatch Canada | Javascript Instructor

Jan 2017 - May 2017 | Toronto, ON

- Educated children (ages 7yrs - 17yrs) on basic **Javascript** fundamentals and **Processing.js** in an after-school program

### OpenSports | Front-End Developer

June 2015 - August 2016 | Toronto, ON

- Used **React-Native** to build 5-star rating system between app users
- Lead developer on a **native Android** app which I brought to completion
- Used **Express.js** and **Node.js** to create client-facing web pages.
- Improved social media outreach by developing a **twitter bot** that used **NLP** to find and follow potential users

### Woburn Robotics | Mechanical Design Lead

2011 - 2015 | Toronto, ON

- Lead a team of 30 students to compete in the FIRST Robotics Competition
- Participated in 4 regional competitions, earning 2nd place in 3 of them
- Used **Solidworks** and **Autodesk Inventor** extensively to model prototypes

## Projects

[www.vanshil.com/projects](http://www.vanshil.com/projects)

### PhysicsWorld

A 2D physics simulation Android app featuring a **built-from-scratch physics engine** capable of handling projectile motion and simple collisions.

### ImAgenda

An app that uses **OpenCV** and **OCR** to let you take a picture of a printed schedule and convert it into events that you can save in your phone's calendar.

### Nutty Ninjas

A game about battling ninjas built with **Java** and **Jframe**. The built-in AI uses a machine learning algorithm capable of learning and executing complex time-sensitive strategies. More info on how I built it can be found on my site.