# HARSH VERMA

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## EDUCATION

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University of Toronto, St. George Campus
Computer Engineering, Bachelors in Applied Science and Engineering
Expected date of graduation: June, 2017

## TECHNOLOGIES

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- RESTful backend micro-services: Python, Flask, SQLAlchemy, MYSQL, Alembic
- Web development: Node, Angular, ES6, React, Redux, Bootstrap, PHP, HTML, SASS, Webpack, Npm, Mocha, Chai
- DevOps: Docker, AWS, EC2, Elastic Beanstalk, RDS, ELB, Splunk, New Relic, TravisCI
- Concepts: OOP, MapReduce, Unidirectional data flow (Flux), REST
- Other languages: C, C++

## WORK EXPERIENCE

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**EVENTMOBI | Software Engineer Intern** [May 2015 - August 2016]

- Responsible for creating and maintaining the real-time user engagement products of the company
- Delivered 3 new products: private chat, group discussions and live display (digital signage). Maintained other products such as live polling, event surveys and gamification.
- Heavily involved in writing the front-end for these applications using Angular, React, Node and integrating with third party services such as SocketIO, Pusher
- Implemented RESTful backend services for the above mentioned products in python
- Prototyped live display (digital signage) React application for internationalization
- Deployed code to production environment on a rotational basis

## PROJECTS

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- Search engine [Sept 2016 – Dec 2016]
  - Frontend: Used python bottle framework for the frontend of the search engine
  - Web Crawler: Scraped the web and ranked documents based on Google's page rank algorithm
- Web development [July 2016 - Present]
  - Frontend: Personal website using React (www.harshverma.com)
- Back-end API [June 2016]
  - Implemented an API using Python-Flask and Flask-RESTful
  - The API layer sits on top of SQLAlchemy ORM models, tables in a MYSQL database
- Data Analysis [Summer 2014]
  - Used Twitter API for sentiment analysis, Pig-Hadoop for computing degree of large graph datasets