

HARSH VERMA

+1 416-912-7441 | harsh376@gmail.com

www.harshverma.com | <https://github.com/harsh376>

EDUCATION

University of Toronto, St. George Campus Field of study: **Computer Engineering**

Expected date of graduation: **May, 2017**

TECHNICAL SKILLS

- RESTful backend micro-services: **Python**, **Flask**, **SQLAlchemy**, **MYSQL**, Alembic
- Web development: **Node**, **Angular**, **ES6**, **React**, **Redux**, **Bootstrap**, **PHP**, **HTML5**, **SASS**, **Webpack**, **Npm**, **Mocha**, **Chai**
- DevOps: **Docker**, **AWS**, **EC2**, **Elastic Beanstalk**, **RDS**, **ELB**, **Splunk**, **New Relic**, **TravisCI**
- Other programming languages: **C**, **C++**, **Java**
- Relevant courses: **Algorithms**, **Databases**, **Computer security**, **Distributed systems**

WORK EXPERIENCE

[EVENTMOBI](#) | Software Engineer Intern (**16 months**) [May 2015 - August 2016]

- Full-stack development of applications such as private chat (~5000 users), discussions (≤ 25 channels), live polling (5000 users at a time) and digital signage
 - Experienced with **Angular**, **React** and **Node** on the front-end. Used **Redux** for state management.
 - Implemented RESTful backend data services using **python**, architected database relations and structure
- Responsible for the **internationalization** of the digital signage React application
- Created **internal analytics dashboards** for monitoring usage data using **React** and **D3**
- DevOps: Was on-call for handling server issues, deployment of code to production bi-weekly

PROJECTS

- Search engine [Sept 2016 - Dec 2016]
 - [Frontend](#): Used python bottle framework. Implemented features such as auto-completion, search recommendation
 - [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).
 - Containerized the application using **Docker** and deployed it using **AWS Elastic Beanstalk**.
- [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

OTHER

- Interested in data science and machine learning
 - Currently taking **Intro to Machine Learning** on Udacity
 - Completed **Introduction to Data Science** on Coursera (92.8%)
- Hacker Academy, University of Toronto: Participate in mini-hackathons every month
- Working on a distributed key-value storage server in **Java**