

# Krishn Ramesh

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## Skills

- **Programming** / Python, JavaScript, Ruby, C++, Matlab, Git
- **Data Science** / Statistics, scikit-learn, basic Machine Learning & Neural Networks
- **Web Development** / Flask, React, Node.js, Rails, JS (ES6), HTML5, CSS3 & Sass
- **Design** / Sketch, Photoshop & Illustrator; keen eye for aesthetic
- **Electronics** / Arduino, circuits, digital systems
- **Passion** / Tech, design, startups, software, electronics, building the future

## Experience

- Winter 2016 **Software Engineer, Yelp.**
- Built a high-throughput tracking and logging system for messages using Kafka and Cassandra.
  - Built an automated email system integrated with Salesforce to send and track advertiser emails.
- Summer 2015 **Full-Stack Developer, PumpUp.**
- Built a grouped notifications system including DB changes, back-end API and front-end.
  - Built an admin dashboard from scratch including front-end (React) and back-end API (Node).
- Fall 2014 **Software Developer, Extreme Innovations.**
- Built Crowdfind ([crowdfind.net](https://crowdfind.net)) – an analytics and discovery platform for crowdfunding projects.
  - Built from scratch in Rails. Features developed: algorithm to retrieve relevant news, daily scrape jobs for data, RickshawJS graphs, responsive design, Google Maps API to map popular projects.
- Winter 2014 **Software Developer, NthGen Software.**
- Worked on a high-traffic car auctioning platform called Traderev ([traderev.com](https://traderev.com))
  - Tasks: prevent account sharing using Redis, reduced Analytics page load time from 18s to 1s.
- Present **Safety/Systems Lead, uWaterloo Hyperloop Team, SpaceX Hyperloop Pod Competition.**
- Placed in the top 22 out of 180 best engineering schools worldwide in Design Competition.

## Projects

- **What Are You Feeling?** – built at Yelp Hackathon
  - Used scikit-learn to cluster business by vibe (e.g. hipster) to make recommendations.
- **Your Vote** – built at Hack The North 2015
  - Find out if your Member of Parliament (MP) votes on bills the same way you would.
- **GetHighered** [gethighered.ca](https://gethighered.ca) – student-run startup
  - A website that facilitates easy online applications to retail jobs.

## Education

- 2018 **BASc in Systems Design Engineering, University of Waterloo, GPA: 4.0.**
- Dean's Honours List–Finished in the **top 10** of the class for every single term.
- 2015 **Machine Learning, Stanford University (Coursera), 95.7%.**
- 2013 **International Baccalaureate Diploma, Glenforest Secondary School, Avg: 98.6%.**

## Interests

- Hip-hop, basketball, film, quantum physics, soccer, sci-fi, economics, Elon Musk