

# Krishn Ramesh

An ambitious & future-thinking product builder who codes.

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## Skills

- **Programming** / Python, JavaScript, Ruby, C++, Matlab, Git
- **Product Management** / Data analysis, UX, specs, user-centered design, leadership
- **Web Development** / Flask, React, Node.js, Rails, JS (ES6), HTML5, CSS3
- **Data Science** / Statistics, scikit-learn, basic Machine Learning & Neural Networks
- **Passion** / Tech, design, startups, software, AI, building the future

## Experience

- Fall 2016 **Program Manager**,  Microsoft, Windows Developer Platform Team.
- Built an open-source SDK for Xamarin (cross-plat mobile framework) that allows devices to discover, launch URIs and send messages to each other to enable rich cross-device experiences.
  - Laid the groundwork to construct a map of all the applications users have installed on their devices in order for devs to share their app's services (analagous to web APIs on mobile).
- Winter 2016 **Software Engineer**,  Yelp, Business Monetization Team.
- Built a high-throughput tracking and logging system for real-time events using Kafka and Cassandra that appears on the activity feed of millions of Yelp business owners.
  - Built an automated system integrated with Salesforce to send and track emails to business owners.
- Summer 2015 **Full-Stack Developer**,  PumpUp.
- Architected 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 an analytics and discovery platform for crowdfunding projects called Crowdfind.
  - 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](http://traderev.com))
  - Tasks: prevent account sharing using Redis, reduced Analytics page load time from 18s to 1s.

## Projects

- **Waterloop** – Safety/Systems lead for uWaterloo Hyperloop Team
  - Placed in the top 22 out of 180 best engineering schools worldwide in SpaceX Hyperloop Pod Competition.
- **What Are You Feeling?** – built at Yelp Hackathon
  - Used scikit-learn to cluster businesses 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.

## 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.

## Interests

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