

Krishn Ramesh

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Skills

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

Experience

Fall 2016 **Program Manager**, *Microsoft*.

- Built an open-source SDK for Xamarin (cross-plat mobile framework) that allows devices to discover, launch URLs and send messages to each other to create 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 (analogous to web APIs on mobile).

Winter 2016 **Software Engineer**, *Yelp*.

- 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 advertiser emails.

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 Crowdfind (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)
- 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 business by vibe (e.g. hipster) to make recommendations.
- **GetHighered** gethigherred.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.

Interests

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