# Krishn Ramesh

An ambitious & innovative product builder who codes.

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## Skills

- **Product Management** / Strategy, leadership, data analysis, specs, UX design, Agile
- **Machine Learning** / scikit-learn, tensorflow, numpy, pandas; statistical methods, data viz
- **Programming** / Python, JavaScript, C++, Matlab, Git
- **Web Development** / Flask, React, Node.js, JavaScript, HTML5, CSS3
- **Passion** / Tech, design, AI research, entrepreneurship, solving problems, building the future

## Experience

**August 2018 - Present**
**Program Manager**, ⊞ *Microsoft*, ◯ Cortana Developer Platform.
- Owner of the dev platform and runtime for Cortana Skills built using the Bot Framework.
- Led the effort to reduce development time by 10x from months down to days.
- Built a detailed roadmap for the platform evolution with innovative conversational AI features.

**Summer 2017**
**Program Manager Intern**, ⊞ *Microsoft*, ◯ Cortana Skills Kit.
- Owned discovery of Cortana Skills for 145 million Cortana users. Understood the problem for users and developers, designed a solution for voice + UI, built a prototype featuring a ML classifier.
- Co-ordinated with engineering teams across 3 countries, design, legal, marketing and devices teams to ship the feature as a core Cortana capability. Built and trained the classifier powering the feature.

**Fall 2016**
**Program Manager Intern**, ⊞ *Microsoft*, Windows Developer Platform, Project Rome.
- Built an open-source SDK that enables Windows devices to communicate and share apps/data with each other to empower seamless cross-device experiences and blur the line between devices.
- Wrote up a detailed spec to add users' apps and expose their capabilities in the Microsoft Graph to enable powerful cross-platform scenarios and drive app engagement.

**Winter 2016**
**Software Engineering Intern**, ✴ *Yelp*, Business Monetization.
- 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.

## Projects

- **Priv: Simplifying privacy**
  - Priv is a browser extension that helps to quickly identify how websites use personal data. Using NLP and ML classifiers, Priv surfaces the most important information of privacy policies to efficiently inform users.

- **Machine Learning Projects**
  - **Face Recognition using Capsule Networks**–Used tensorflow to implement Hinton's Capsule Networks.
  - **Delphi**–Classified startups as acquisition, IPO or failure using random forests. Achieved F1 score of 0.815.
  - **Plum**–Predicted hospital readmission times for diabetic patients. Won 3rd place in Deep Health Hackathon.

## Education

**April 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%.

## Interests

- Hip-hop, NBA, brain-computer interfaces, philosophy, sci-fi, microeconomics, complex systems