

Krishn Ramesh

A collection of nerd particles, passionate techie & software developer.

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Skills

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

Experience

Summer 2015 **Full-Stack Developer**, *PumpUp*.

- Built a new notifications system including DB, back-end API and front-end mobile (React).
- Built an admin dashboard from scratch including front-end (React) and back-end API (Node).
- Wrote a fuzzy search algorithm using the Jaccard coefficient for a search utility module.

Fall 2014 **Software Developer**, *Extreme Innovations*.

- Built Crowdfind (crowdfind.net) – an analytics and discovery platform for crowdfunding projects.
- Built the whole app from scratch in Ruby on Rails following Test-Driven Development principles.
- Features developed: algorithm to retrieve relevant news, daily scrape jobs for data, RickshawJS graphs, fully responsive design, Google Maps API to map popular projects.

Winter 2014 **Software Developer**, *NthGen Software*.

- Developed for a high-traffic car auctioning platform called Traderev (traderev.com)
- Reduced load time of the Analytics page from 18s to 1s through efficient database querying.
- Tasks: prevent account sharing using Redis, scaling AWS dynamically, Freshbooks API for billing.

Fall 2015 **Safety/Systems Lead**, *uWaterloo Hyperloop Team*, SpaceX Hyperloop Pod Competition.

References

- “Extremely intelligent and resourceful. A top 5% Waterloo intern.” – co-founder of Extreme Innovations
- “Truly bright individual with high aspirations. Provides substantial value.” – CEO of PumpUp

Projects

- **Your Vote** – built at Hack The North 2015
 - Find out if your Member of Parliament (MP) representative votes on bills the same way you would.
- **GetHighered** gethigherred.ca – student-run startup
 - A website that facilitates easy online applications to retail jobs.
- **Mobile websites for clients** – cortelgroup.com & expocity.ca (visit on mobile)
- **BetterCV** – built at MHacks V
 - A MEAN app (Mongo, Express, Angular, Node) for crowdsourced resumé critiques.

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 in university

2015 **Machine Learning**, *Stanford University (Coursera)*, 95.7%.

2013 **International Baccalaureate Diploma**, *Glenforest Secondary School*, Avg: 98.6%.

Interests

- Guitar, soccer, film, quantum physics, sci-fi, economics, NBA, Elon Musk