

KARTIK TALWAR

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TECHNICAL SKILLS

Languages — Python, JavaScript/React.js/Node.js, PHP, Ruby, Go, C, C++, Java
Databases — MySQL, PostgreSQL, Firebase, Elasticsearch, Riak, MongoDB
Markup — HTML, CSS, Markdown, JSON/XML/ERB, Puppet, L^AT_EX

WORK EXPERIENCE

Software Mentor, Velocity Start, *Waterloo* Present
• I talk, discuss and help students with software related projects/ideas across campus

Co-Director, Hack the North, *Waterloo* 2014-2016
• Oversaw and planned the execution of Canada's largest hackathon

API Developer, University of Waterloo, *Waterloo* 2011-2016
• Lead developer and creator of the University of Waterloo API

Insight Engineer, SV Angel, *San Francisco* 2014
• Built internal tools to help optimize the investment process

Production Director, TEDxUW, *Waterloo* 2014
• Responsible for event logistics, technical setup and video production

Teaching Assistant, University of Waterloo, *Waterloo* 2013
• Computational Physics; Conducted tutorials and provided help with assignments

Infrastructure Software Developer, Salesforce, *San Francisco* 2013
• Developed cluster monitoring, analysis and datacenter automation tools

Software Engineer, Tagged, *San Francisco* 2012
• Worked on real-time logging infrastructure to detect abnormal cluster behavior

EXTRACURRICULARS

Regional Organizer, Various Hackathons 2013-2016
Velocity Resident, University of Waterloo 2012-2016
President, Undergraduate Physics Society 2011-2015
Technical Mentor, CoderDojo SF 2012-2013
Vice President, University of Waterloo Web Designers Club 2010-2011
Team Captain, Emery CI FIRST Robotics Team 2007-2010

AWARDS

- Winner - A16Z Battle of the Hacks
- Runner-up - TechCrunch Disrupt SF Hackathon
- Best Leap Motion Hack - PennApps
- Winner - AngelHack Silicon Valley
- Finalist - Greylock Hackfest & UofT Hacks
- Launch Hackathon - Yammer Award Winner
- University of Waterloo Physics Alumni Award
- University of Waterloo Merit Scholarship

EDUCATION

University of Waterloo, Candidate for Bachelor of Science 2010-2016
Intent: Major in Physics with Astrophysics specialization; minor in Mathematics
Relevant Courses: Computational Physics, Data Structures, Statistics, Linear Algebra

PERSONAL PROJECTS

React Native GridView

- UI library for React Native that allows you to display list items as a grid. Common examples include displaying collections like books, music etc. <http://npmjs.com/package/rn-grid-view>

Gmail.js

- Client-side API for Gmail. More than 2000 stars on GitHub, #1 post on Hacker News and featured on JavaScript Weekly (then). Used by numerous startups!

Interactive Markdown

- An abstraction layer that makes markdown files on GitHub interactive - allowing executing code written within the file. Runner-up at TechCrunch Disrupt SF Hackathon. <http://on.tcrn.ch/1/fFLc>

WeeFeePhone

- A phone dialer replacement app built using react-native that automatically lets you switch between making the call via WiFi if the phone network is not available (or weak)

Numbers.js

- One of the core contributor for the most advanced math library available for JavaScript/Node.js. Implemented statistical, matrix and probability related algorithms. <http://github.com/numbers>

Moocast

- An android app that lets you livestream your entire phone online. It's like Periscope + Twitch for your phone. Winner of the A16Z Battle of the Hacks

CampusData.org

- One of the founding members of the project with the goal of providing help and standardization for open-sourcing University data and APIs

Nylas PHP Client

- Wrote the official PHP client library for the Nylas API (email/calendar/contacts). <https://nylas.com>

Duolingo API

- An unofficial API for Duolingo.com (through reverse engineering network calls), that lets you interface with the website and access user profile and progress data in python.

MessageThen

- A service created at MHacks that lets you schedule Facebook messages to be sent in the future via a chrome extension or a wildcard email service (Boomerang but for Facebook)

Context

- Adds custom cards to Google results to create a search experience optimized for you. Featured on TechCrunch <http://tcrn.ch/1gPMZRT> | <http://aol.it/1mLJmzz>

Signal

- Lets you organize, edit and rewrite your inbox. Part of San Francisco HACKcelerator Incubator program. Featured on LifeHacker. <http://bit.ly/1P2YunQ>

OK Chrome

- Developed before Google Chrome's Voice Search, this extension lets you control your browser and add custom voice commands to websites. <http://youtu.be/6YC8bei2s24>

Teleport

- JavaScript library that allows you to transfer DOM states between two devices. Finalist at University of Toronto Hackathon. <http://youtu.be/C0qZMfgwXJI>

Ned

- AI Bot for HipChat that adds features like to-dos, web searches, cluster status and server debugging to HipChat interface. Winner of Tagged's 2012 Hackathon