

# Christopher Ngan

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github.com/chrisngan24

## Summary

- Programming - Java, C#, C++, Javascript, Python, Ruby, HTML, SQL, Pig
- Platforms - Android, Web, .NET, Scripting, CLI Tools, Arduino
- Design - Databases, UX, System Integration, Product Design
- Hardware - Circuits, PCB, Microcontrollers
- Highly motivated and hard-working to succeed (Dean's Honour List)
- Passionate in applying skills to create meaningful applications

## Education

- **System Design Engineering**  
University of Waterloo  
(Class of 2016)

## Awards

- 1st Place  
(Communitech's Database Challenge)
- Best Use of MongoDB  
(Entry at MHacks 2013)
- Dean's Honours List
- NSERC Undergraduate Student Research Award

## Interests

- **Music:** plays guitar, piano, drums and spoons (the utensil)
- **Food:** loves cooking (backup plan: be a chef)

## Professional Experiences

### Big Data Engineer, Mortardata

New York, NY (Jan 2014 - Present)

- Development of data pipelines with a focus AWS and Hadoop in the cloud
- Conceptualized, initiated and prototyped a web solution for data visualization
- Full stack development on the award winning platform with ruby and python
- Created graph based recommendation engines in Pig

### Product Developer, Nicoya Lifesciences

Waterloo, ON (May - Aug 2013)

- Primary software developer at an early stage company creating flagship products for health sensing technology
- Full stack experience with Android, web app, internal tools and server analytics
- Designed and constructed components of hardware projects

### Mobile Developer Intern, Genesys Lab

Markham, ON (Sept - Dec 2013)

- Developed a SaaS web app for call routing administrators
- Delivered production level code on all aspects of project from graphical widgets to RESTful service calls

### Junior Software Programmer, Cole Engineering Ltd.

Markham, ON (Jan - April 2012)

- Lead developer of an Android app for data surveying on sewage systems
- Created a project management tool on .NET platform to improve the security and efficiency of the company's clients

## Relevant Projects

### MediData, Hacker

- A SaaS for hospitals to gain visibility of local impoverished communities' health
- Made in 36 hours during MHacks competition against 1000+ other students
- Winner of award: Best Use of MongoDB

### Entrepreneur, Communitech DATA.BASE Challenge

- Designed a product to promote healthy eating habits and cooking skills
- Was awarded first place in all of Ontario

### Consultant Engineering, Waterloo Engineering Competition

- Competed and won first for proposed solution
- Conceptualized a new product for BlackBerry within a 5 hour time constraint

### Play on Time, Personal Project

- A vibrating metronome created for the Sony Smart Watch

### Talk Light, Personal Project

- Analytical tool on light usage in a room using technology like Arduino and Flask

### Manuscripter, Personal Project

- Created a bible study tool built on Node and Backbone