Christopher Ngan

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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 adminstrators
- 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

robfordthegame.com, Hacker
- Co-created the viral sensation in javascript at HackNY

MediData, Hacker
- A SaaS for hospitals to gain visiblity 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

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