# Christopher Luc

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## Skills

Has an excellent understanding of object oriented paradigms, multi-threading, agile methodologies, and test driven development.

**Back-end Development** Experience with Java and C# as a back-end language, powered by RDBMS such as SQL Server and MySQL. Has developed REST APIs using Django and Node.js running on MongoDB and AWS EC2 instances.

**Front-end Development** Works with Angular and Backbone JS frameworks to create many beautiful and dynamic web pages. Also familiar with HTML5, CSS3, Bootstrap and jQuery.

**Mobile Development** Designs and develops Android apps for work, personal projects, and hackathons. Has great understanding of activities, data synchronization, building UI, and services. Experience in developing web apps for mobile using Backbone JS.

## Work Experience

**Software Developer,** Tangam Systems | Waterloo                                        2014
- Prototyped and implemented minimum bet flexibility within shifts in C# for the scheduling algorithm of the Table Games Yield Management product, increasing table game revenues for casinos
- Assisted in developing the language and caching frameworks for internationalization
- Converted user management and table error pages to use Angular and API Controllers from ASP.NET
- Decreased the load time of a heavy traffic page by 50% using a more optimal SQL query

**Agile Engineering Intern,** Pivotal Labs | Toronto                                      2013
Mountain Equipment Co-op
- Developed the checkout, account and product detail pages in Backbone and Handlebars for mobile web
Bell Canada - Bell.mobi
- Refactored most of the app to be a single page application using JQuery and JSP
- Used jQuery to asynchronously make requests, share information and interact through posts on social media

**Programmer,** Bronte College of Canada | Toronto                                        2013
- Designed and implemented the entire summer camp application process in Java for the CRM web app
- Created and designed an Android app for gathering and organizing prospective student's information

## Projects

**Mine** (Hack The North Project)                                                          2014
- Created an API using Node.js, Express and MongoDB that manages users, products, reviews, and comments

**Uniq**                                                                                   2014
- Contributed to the overall vision, strategy, and product development process
- Acted as architect for the backend using Django, Django Rest Framework, and MongoDB
- Created the framework that will populate from historical and hierarchical data

**TDL**                                                                                    2014
- Developed the models, logic behind model interaction, and the SQL framework
- Implemented a custom listview with expandable and swipe-to-delete capabilities
- Assisted in design and overall flow of the app

## Education

**Candidate for Bachelor of Software Engineering**                             2014 - Present
University of Waterloo

**Candidate for Bachelor of Applied Sciences in Mechatronics Engineering**      2012 - 2014
University of Waterloo

**Dean's Honours List** - Rank 10th in the class                                           2014

Please visit my personal website to learn more about me.