

# Dixon Cheung

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## Skills Summary

- Experienced in developing web applications with RESTful APIs using MVC frameworks
- Understands OOP design, data structures and algorithms
- Competent in designing multi-threaded microservices
- Knowledgeable in Agile Methodology using Scrum
- Strong verbal communication in conveying technical ideas
- Takes initiative to further career through side projects and learning new technologies

**Languages:** Perl, Java, Go, JS, SQL, Python

**Tools:** ExpressJS, Mocha, NPM, Vim, Linux, Git

## Work Experience

### Software Engineer

Index Exchange, Waterloo, ON, CA

Jun. 2016 - Present

- Designed aggregation service for stats information in Go
- Sped up file distribution to keep servers up-to-date via threading and infrastructure changes
- Created technical debt backlog during transition to a more Agile/Scrum based SDLC
- Improved software development via a private NPM server

### Security Developer (Co-op)

Pitney Bowes, Shelton, Connecticut, USA

Aug. 2014 – Dec. 2014

- Created PoC of solutions revolving around Private Matching in Java
- Developed iOS geo-location library using PB's API

### IT Solutions Developer (Co-op)

TD Bank Group, Toronto, ON, CA

Dec. 2013 - May 2014

- Worked with BA and client to develop an accounting web app to automate report generation
- Standardized development of automated post-trade reporting tools for clients

### Web Application Developer (Co-op)

OANDA Corporation (Canada), Toronto, ON, CA

May. 2013 - Aug. 2013

- Increased customer conversion by analyzing and fixing 500 server errors within registration
- Updated OANDA's nightly test suite to ensure functionality through regression

## Education

### Bachelor of Applied Science

Honours Computer Engineering, University of Waterloo, Waterloo, ON

May 2012 - Apr. 2016