

# Han Cheng (William) Gao

University of Waterloo | 3B Computer Science (2015-2020)

E-Mail [hc2gao@edu.uwaterloo.ca](mailto:hc2gao@edu.uwaterloo.ca) • Website [wgdev.ca](http://wgdev.ca)

## Skills

**Languages:** Python, SQL, JavaScript, HTML, C, Java, C#, Bash, C++, Racket, CSS

**Tools:** JIRA, Visual Studio, SQL Server, Django, git, Node.js, Android Studio, Linux, Windows

## Work Experience

### InteleX | Software Developer

May 2018 - August 2018

Toronto, Ontario

- Implemented usability improvements to common website use cases
- Improved speed of a web application administrative task from 2 minutes to 10 seconds
- Performed root cause analysis and fixed bugs in ASP.NET web application
- Refactored file download classes to improve maintainability

### TD Asset Management | Portfolio Analytics Developer

January 2017 - April 2017, September 2017 – December 2017

Toronto, Ontario

- Ported Django web app to Linux and worked around dependencies on the Windows API
- Reduced rendering time of a commonly used webpage from 10 seconds to 2 seconds
- Wrote Python script to generate a high-level Excel report of SQL data
- Extended C++ and python library to export intermediate calculation results

### Okey Labs | Software Developer

May 2016 - August 2016

Kitchener, Ontario

- Ported IOS app to Android to increase the market reach of the product
- Added support for user engagement tracking features to Node.js backend
- Automated deployment of web applications to AWS using Bash scripts

## Projects

### Personal Website ([wgdev.ca](http://wgdev.ca))

- Designed scalable content using Bootstrap to improve cross platform compatibility
- Implemented content with jQuery to improve maintainability of JavaScript elements

### Sea Battle

- Designed gameplay features using OOP concepts to improve maintainability
- Implemented gameplay over LAN using Microsoft's System.Net library

## Achievements

**CFM Entrance Scholarship**, University of Waterloo, 2016

**Term Dean's Honours list**, University of Waterloo, Fall 2015

**Cisco Certified Networking Associate Routing and Switching**, Cisco Certifications, July 2015