

Carl Zhou

contact

carl.j.zhou@protonmail.ch
carlzhou.xyz

programming

x86, Bash, C, C++,
CSS3, Java, JavaScript,
MIPS, NodeJS,
Powershell,
Python, Racket,
Scheme & Typescript

Databases

CouchDB, DB2,
MySQL, Postgres

Tools

Apache Httpd, Android,
AWS, Drupal, Git,
Jasmine, Jenkins, Jira,
Magento, Maven,
Phabricator, Protractor,
Selenium, SVN, Vagrant,
Virtualbox, VMWare

Courses

Algorithms,
Applied Cryptography,
Computer Networks,
Computer Security,
Functional Programs,
OOP Software Dev,
Operating Systems,
User Interfaces

Volunteering

Math Ambassador

Interests

Music Production,
Poker, P2P Networks,
Privacy, Security, Sports

education

Sep 2013 - **Bachelor of Computer Science, Honours Co-op**
Psychology Minor

University of Waterloo

experience

- Aug 2016 - **Symphony Commerce** San Francisco, California
Dec 2016 *QA Engineering*
Created new and refactored existing end-to-end browser tests using Typescript and Protractor.
Crafted Bash and Powershell scripts for running end-to-end tests using Selenium and Virtualbox.
Performed automated testing on Jenkins and manual testing on AWS EC2 instances.
- Jan 2016 - **Nokia (formerly Alcatel-Lucent)** Ottawa, Ontario
Apr 2016 *Malware Research Assistant*
Analyzed malware samples and wrote signatures for NIDS (Snort) to detect malicious traffic generated by samples.
Disassembled and performed static analysis of Android and C# malware code.
- May 2015 - **University of Waterloo** Waterloo, Ontario
Aug 2015 *Web & Systems Associate*
Designed and developed a new campus tour registration page using Drupal and SugarCRM.
Worked with marketing team to design responsive pages for the augmented reality section of booklet using HTML5 and Bootstrap CSS.
- Apr 2014 - **Orchard Labs Inc.** Toronto, Ontario
Aug 2014 *Web Developer*
Built backend shipping label generator using PHP, jQuery, MySQL and Canada Post REST API.
Constructed frontend page for customers to check order details and delivery status of their package.

projects

- 2017 **Visual Stupid** Terriblehacks
Multi-language compiler which only accepts images of source codes.
- 2016 **JSketch Mobile** CS349
Android version of Microsoft Paint.
- 2016 **BB3k** CS246
Object-Oriented C++ game based on Monopoly for GNU/Linux.