

# Hanchen Wang

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(647) 268-8556 | Software Engineer  
hanchen.wang@gmail.com

## Skills

Python, C, C++, Go, JS  
Web (ReactJS, Avro, Thrift)  
Databases and Infrastructure  
English, French and Mandarin

## Relevant Coursework

CSC491 - Capstone Design Project  
CSC485 - Computational Linguistic  
CSC458 - Adv. Computer Networks  
CSC454 - The Business of Software  
CSC443 - Database System Technology  
CSC411 - Machine L. & Data Mining  
CSC401 - Natural Language Processing  
CSC373 - Algorithm Design & Analysis  
CSC372 - Microprocessor Software  
CSC369 - Operating Systems

## Event Planning

CSSU x Overbond Hackathon  
Summer 2016 || Event organizer  
Fintech hackathon with Overbond  
Computer Science Frosh  
Summer 2016 || Event organizer  
Computer Science frosh at UofT

## Hobbies

Books, food, and drinks

## Education

University of Toronto  
June - 2018 || Innis College  
(Hon) Bachelor of Science  
Computer Science Specialist

## Links

hanchenwang.com  
github.com/g3wanghc

## Work Experiences

### SWE Intern

Summer 2017 || Uber - San Francisco

Software Engineer Intern on the Hadoop Platform team - production systems to ingest and process data for massively large data sets. Lead the initial design and development of the automated pipelines creation platform. Developed the API, metastore, and UI/UX of the external data ingestion platform. Refactored and added additional functionalities to the topics/schema-tool. Developed an alert and job tier management tool interfacing with graphite, grafana, and the internal alerting system.

### President

2016 - 2017 || CSSU - UofT

President of the Computer Science Student Union, representing over 1200 CS students at the University of Toronto St. George campus.

### Student - Intern

2016 - 2017 || OICR - MaRS

Application Support/Developer Intern - Ontario Institute for Cancer Research. Developed the new IT Helpdesk system using Jira Service Desk to replace the legacy ticketing system. Gathered requirements and scheduled regular meetings with stakeholders in various departments, and supported the transition process. Developed scripts to translate XML files, system events, and log correlation of network events. Maintained the Intranet in SharePoint, and develop new tools using Django.

### PHP Developer - Intern

2015 - 2016 || ALM - Toronto

PHP Developer Intern. Developed new features in the client facing product as a full stack developer (LAMP). Implemented additional security requirements/compliances such as API sanitization, CSRF token binding, and reducing bugs via refactoring. Collaborated with the business intelligence team to implement A/B tests, and ran targeted email campaigns with dynamically created templates using Twig.

## Projects and Contributions

### Hugo

Contributor - 2016 || gohugo.io

Hugo is a static website generator written in Go. Contributed the auto-expiration feature, including template functions, site variables, build commands, refactoring the build process, table driven testing, and documentation.

### Cobalt UofT

Contributor - 2016 || cobalt.qas.im

Cobalt is a collection of open data APIs to interface from the University of Toronto in their applications or services. Contributed several datasets, and the modules to generate them.