

# Gabriel Wong

 [github.com/gabrielwong](https://github.com/gabrielwong)  
 [linkedin.com/in/gabrielbwong](https://www.linkedin.com/in/gabrielbwong)  
 [me@gabrielwong.net](mailto:me@gabrielwong.net)  
 +1-413-667-9664

## Skills

### Languages

Java, OCaml, C++, C, Python, Bash, Go, JavaScript, SQL, R

### Tools

Git, Hg, Make, GDB, Valgrind, Vim, tmux, Gradle

## Experience



### Jane Street Assistant Quantitative Trading Intern

Jan '17 – Apr '17  
Hong Kong

- Analyzed historical market data to find statistical trends using Python, R, Bash and Excel



### Jane Street Assistant Developer Intern

May '16 – Aug '16  
Hong Kong

- Developed an OCaml library for low latency forward computation of pre-trained neural networks imported from **TensorFlow** and **Keras**
- Wrote an OCaml server that watches data sources and regenerates symbology data
- Extended our protocol parser to generate **Wireshark** dissectors and extended our build system to emit OCaml shared libraries that are linkable with C executables

### Bloomberg Software Engineering Intern

Sept '15 – Dec '15  
London, UK

- Worked on end to end encryption of sensitive reports
- Implemented asymmetric encryption of large files using **OpenSSL** in our high level cryptography library
- Improved querying and persistence of certificates issued by our public key infrastructure



### LinkedIn Software Engineering Intern

Jan '15 – May '15  
Mountain View, CA

- Implemented custom low latency interprocess communication between Java and C++ using shared memory
- Worked on the **cluster infrastructure** of our **distributed graph database**
- Experimented with throttling requests and performed TCP tuning to reduce long tail latency in our distributed cache service
- Added support for comments in our Prolog-based graph database query language



### Remind Software Engineering Intern

May – August '14  
San Francisco, CA

- Worked on a UI redesign, contact book inviting, aggregated push notifications and performing asynchronous data fetching on our **Android** client
- Implemented the stickers feature in our **AngularJS** client
- Made improvements to our **Rails** and **Postgres** backend

## Projects

### DroidPad

2014

- Won **first place** at Facebook Hackathon Waterloo
- Allows Android devices to act as touchpads for Windows and Linux over Bluetooth

## Education

### University of Waterloo . Candidate for Bachelor of Software Engineering

2013 – Present

- **First in class** for Winter 2014, Fall 2014 and Spring 2015 terms
- 96% cumulative average