Gabriel Wong

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Skills

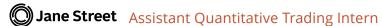
Languages

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

Tools

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

Experience



Jan '17 – Apr '17 Hong Kong

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

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

Linked in 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

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

DroidPad