





Taoling Yang

Bachelor of Computer Science
University of Waterloo

Skills Summary

Languages

- Python 
- C/C++ 
- Java/Groovy 
- Angular 

Tools

- Git, SVN, Perforce
- Kafka, Zookeeper
- Eclipse, IntelliJ, NetBeans
- Maven, Make, Ant
- Pylons, Flask
- Samza, Storm, Hadoop

Experiences¹

Sep 2016 - Dec 2016:
AdRoll Inc.

Software Developer, Full-Stack, Intern

- Worked with the dynamic creative team and supported dynamic ads from server-side, fixed various bugs within the system.
- Developed a front-to-back system for configuring and opting customers into an external service.
- Developed a Java extended imaging library for handling CMYK JPEGs on Apache Storm.

Jan 2016 - Apr 2016:
Kik Interactive Inc.

Software Developer, Anti-Spam, Intern

- Worked with the anti-spam team and fought spam from server side.
- Helped develop a machine learning system using Samza that catches spammers real-time based on metadata analysis.
- Developed a data analysis tool in Python to help validate the machine learning system.

May 2015 - Aug 2015:
SAP Canada Inc.

Software Developer, In-Memory, Intern

- Worked with the Event Stream Processor/Smart Data Streaming team
- Drove the prototyping of an upcoming security feature on the server/engine side along with another co-op.
- Spearheaded the development/implementation of a PyUnit Testing Framework.

Sep 2014 - Dec 2014:
QNX Software Systems Ltd.

Software Developer, Intern

- Worked with the multimedia services team, drove the integration of OpenMAX AL from BB10 to QNX Car Platform
- Developed a suite of sample applications based on the newly integrated OpenMAX AL library for audio/video decoding/encoding

Projects

- **Hindsight (CalHacks 3.0)** Flask, Python/Angular 2016
A real-time intent analysis and stock prediction website, backed by Microsoft Cognitive API.
- **Operating System Kernel (OS/161)** Linux, C/MIPS 2015
An implementation on the paging, memory management system and system calls of the OS/161 kernel.
- **Timer** Pebble Smartwatch, C 2015
A simple timer application, available on GitHub
- **Small C Compiler** Linux, C/MIPS 2014
A compiler that compiled a small C language into MIPS assembly for CS 241

Contact:

+1 (628) 235-3864 (US)
+1 (226) 978 4678 (Canada)

tl3yang@edu.uwaterloo.ca
ytlty516@gmail.com

<http://thisistao.com>
<https://ca.linkedin.com/in/ytlty>
<https://github.com/ytlty>

Me:

- I'm a graduate of University of Waterloo for Computer Science, Honours, Co-op.
- I love solving programming puzzles and learning new tools/algorithms/tricks.
- I am an amateur photographer who loves music and cooking.

• #atomio

¹Some experiences were omitted due to spatial limitation, please check my LinkedIn for full details.