

Michael Chun Chi Tsang

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Skills

- Programming: PHP, Javascript, C++, Android app development, Java
- Database: MySQL / MariaDB, T-SQL
- Networking: IPv4 and IPv6 (HE.NET IPv6 Certified Sage), DNS, DHCP, HTTP, FTP, SSH
- DevOps: Git, GitLab, Docker, Linux server administration, UN*X shell scripts
- Languages: English, Cantonese

Work experience

Software Developer at [IT Wake Limited \(HKU e-learning lab\)](#)

Oct 2016 – Oct 2017 / Oct 2018 – Oct 2020

- Developed the backend API for iTrain platform, a corporate training solution used by multiple companies including Chow Tai Fook, Prudential ([IIQE YiKaoTong](#)), FSE Engineering, HKFsPA, Bank of China
- Built using Laravel with compatibility on multiple OSes and databases, extending the framework classes to provide customised behaviour
- Made a Docker image and Docker compose script with automated testing with PHPUnit on GitLab
- Served Android and iOS mobile applications, and web frontends using Angular

PHP Developer at [OpenCart Limited](#)

Mar 2018 – Jul 2018

- Assisted customers through the support system
- Provided fixes to OpenCart e-commerce platform

Software Developer (internship programme) at [Bull.B Technology Limited](#)

Jun 2015 – Aug 2015

- Started developing the web site for Easy One (<http://www.easyone.com.hk>)
- Used modern web technologies including HTML5, CSS3 and Javascript
- Built on [Laravel](#) and [Bootstrap](#)

Products

Web interfaces for [KMB & LW](#) ETA

Jan 2020 – Now

- Written using Javascript as a single page web application
- User choices in the web application can be bookmarked directly as a URL
- Addressed deficiencies of the bus companies official apps by using reverse-engineered APIs
- Clear separation of UI and logic into a frontend application and a library

Hong Kong TrailO Information Site (<https://trailo.hk/>)

Jan 2018 – Now

- A fully bilingual website powered by WordPress, with Chinese and English on equal status.

[Four Corner Input Method](#) (Google Play)

Nov 2014

- The first and only Chinese input method using the four-corner method on Android platform

Education

The University of Hong Kong, [BEng\(Computer Science\)](#) (in conjunction with BBA(IS))
Sep 2015 – Jul 2016

- First class honours
- Graduation GPA 3.68

The University of Hong Kong, [BBA\(Information Systems\)](#)
Sep 2012 – Aug 2015

- Double major in Information Systems and Computer Science
- Second class (upper) honours
- Graduation GPA 3.55
- General secretary of Bridge Club, HKUSU, Session 2013 – 2014
- Member of competitive programming team “Provinci”

Volunteering experience

Assistant Scout Leader at 21st Tuen Mun East Group
Aug 2014 – Dec 2019

- Helped the troop leader to run scouting activities for a troop of about 12 scouts
- Organised a few inter-group camps and jamborettes

Event Officer at Scout Orienteering Club
Apr 2017 – Mar 2019

- Planned activities for each year, including training and races, for the club
- Helped running orienteering races at various positions, e.g. result official, start official, field official, etc.

Council Member at Rover Scout Council, 5th session, Hong Kong Scout Association
Aug 2016 – Jul 2017

- Joined the service team to conduct volunteering activities to foster integration among people of different ethnic backgrounds
- Participated in the “Youth Involvement in Decision Making” process

Awards and achievements

- Hong Kong Team member in World Trail Orienteering Championships 2017 – 2018
- 2nd place in Egypt International Trail Orienteering Championship 2018
- Hong Kong delegate in 13th World Scout Youth Forum (2017)
- Champion in Hong Kong Trail Orienteering Championships 2016 (TempO)
- 1st runner-up in Hong Kong Trail Orienteering Championships 2016 (PreO)
- Champion in ACM-HK Programming Contest 2015 (team BIG BOSS)
- 3rd place in ACM/ICPC 2012 Hanoi Asia (team IT Genius)
- Bronze medal in International Olympiad in Informatics 2011 and 2012
- Silver medal in National Olympiad in Informatics 2011
- Gold medal in Hong Kong Olympiad in Informatics 2008 – 2012 (best young contestant in 2008 and 2009)

Interests

Orienteering, open water swimming, sailing, board games