**TAN LI HAU**

+65 8279 6285

#60-5-1188 Hall of Residence 12

30 Nanyang Crescent

Singapore 637717

tanl0135@e.ntu.edu.sg

**Education**

Bachelor of Engineering in Computer Engineering, Nanyang Technological University, Singapore 2016

**Programming Skills**

* **Programming Languages**
* Python, Java, JavaScript
* **Operating Systems**
* Windows, Linux, MacOS
* **Libraries and Frameworks**
* jQuery, underscore.js, moment.js, async.js, d3.js, Bootstrap, Titanium SDK, Parse, AndroidAnnotations, Django
* **Others**
* Git, Mantis Bug Tracker, Microsoft Word, Excel, PowerPoint, Matlab, Adobe Photoshop, Adobe After Effects

**Work Experience**

* **Intern at Activate Interactive** 2015
* Built mobile apps using Titanium SDK for a national wide campaign for Health Promotion Board Singapore
* Involved in different phases of Software Development Life Cycle
* **Student Assistant at Nanyang Technological University** 2013
* “User and Domain Driven Data Analytics as a Service Framework”
* Built a front-end web portal

**Academic Projects**

* **Final Year Project** 2015-2016
* “Development of Healthcare Applications using Wireless Wearable Devices”
* **Multi-Disciplinary Project** 2015
* Built a robotic system that can autonomously explore and traverse unknown areas
* Chief Arduino Engineer, designed obstacle detection and robot alignment algorithm
* **Software Engineering Project** 2015
* Designed an appointment management system for patients and clinics
* Android Design Lead, developed a multiple-user applications
* **Undergraduate Research Experience on Campus** 2014
* “Cybersecurity via Big data Analytics”
* Built a set of web-based data visualization tools using d3.js

**Publication**

* Chonho Lee, Liu Yi, **Li-Hau Tan**, Weihan Goh, Bu-Sung Lee and Chai-Kiat Yeo, *“A Wavelet Entropy-based Change Point Detection on Network Traffic: A Case Study of Heartbleed Vulnerability”*, Enterprise Security 2014, CloudCom 2014

**Extracurricular Activities**

* **Welfare Officer** 2014
* Nanyang Technological University Dragon and Lion Dance Troupe
* **IT, Publicity and Publication Officer** 2014
* Nanyang Technological University Malaysian Students’ Association

**Awards and Certificates**

* **Grade 7 (Piano)** 2010
* The Associated Board of the Royal Schools of Music
* **Third Placing (Group)** 2009
* Olympiad Mathematics Competition

**Interest and Hobbies**

* Swimming, Piano, Video Editing