**TAN LI HAU**

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**Education**

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

**Computer Skills**

* **Programming Language**
* Python, Java
* **Web Programming**
* jQuery, PHP, HTML5, d3.js, Parse
* **Operating System**
* Windows, Linux, MacOS
* **Others**
* git, Microsoft Word, Excel, PowerPoint, Matlab, Adobe Photoshop, Adobe After Effects

**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
* **Student Assistant** 2013
* “User and Domain Driven Data Analytics as a Service Framework”
* Built a front-end web portal

**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