

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**, Weihang 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