TAN LI HAU

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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