NUS National University of Singapore

School of Computing

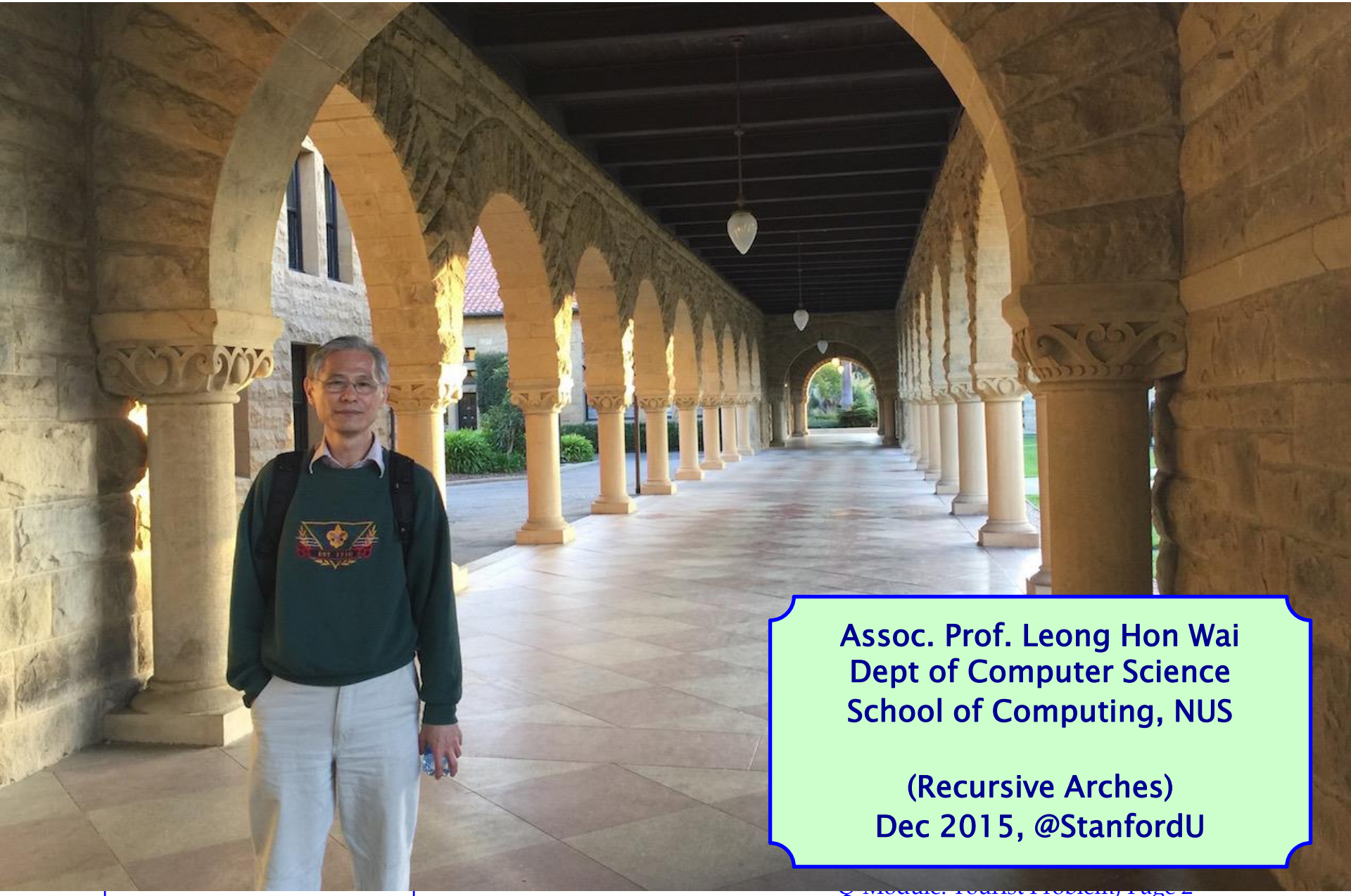
About me…

Hon Wai Leong

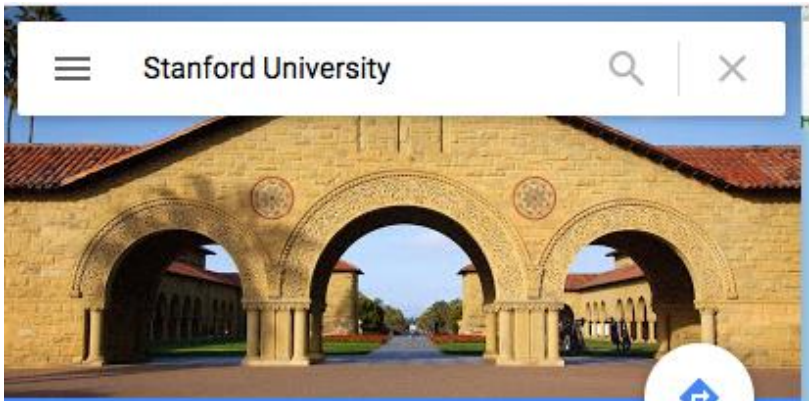
Department of Computer Science
National University of Singapore

Email, FB: leonghw@comp.nus.edu.sg

$(100010.11)_2$ *years in NUS*


Assoc. Prof. Leong Hon Wai
Dept of Computer Science
School of Computing, NUS
(Recursive Arches)
Dec 2015, @StanfordU

Recursive arches @Stanford, Dec-2015



Stanford University

Stanford University
4.6 ★★★★½ · 1,699 reviews
University

Directions

SAVED NEARBY SEND TO YOUR PHONE SHARE

Founded in 1885, this private research school is known for law, engineering, business & medicine.

450 Serra Mall, Stanford, CA 94305, USA
stanford.edu
+1 650-723-2300

What I *do* and *like to* do…

Research:

Design and analysis of algorithms
[算法设计与分析]

Transportation Logistics

Computational Biology
[生物信息学]

Teaching:

Algorithms Design and Analysis

Discrete Mathematics

Graph Theory and Algorithms

Problem Solving in Computing

Invitation to Computer Science

Selected Hobbies:

Mentor / Develop Talents
[SMP, SRP, UROP, etc]

National Olympiad in Informatics
[新加波信息学奥林匹克竞赛]

International Olympiad in Informatics
[国际信息学奥林匹克竞赛]

[24 hours CodeJam]
2007--2019

Some details…

Courses taught…

- **CS:**
  - **Discrete Math**
  - Design and Analysis of Algorithms
  - Data Structures (also DYOM Adv DS)

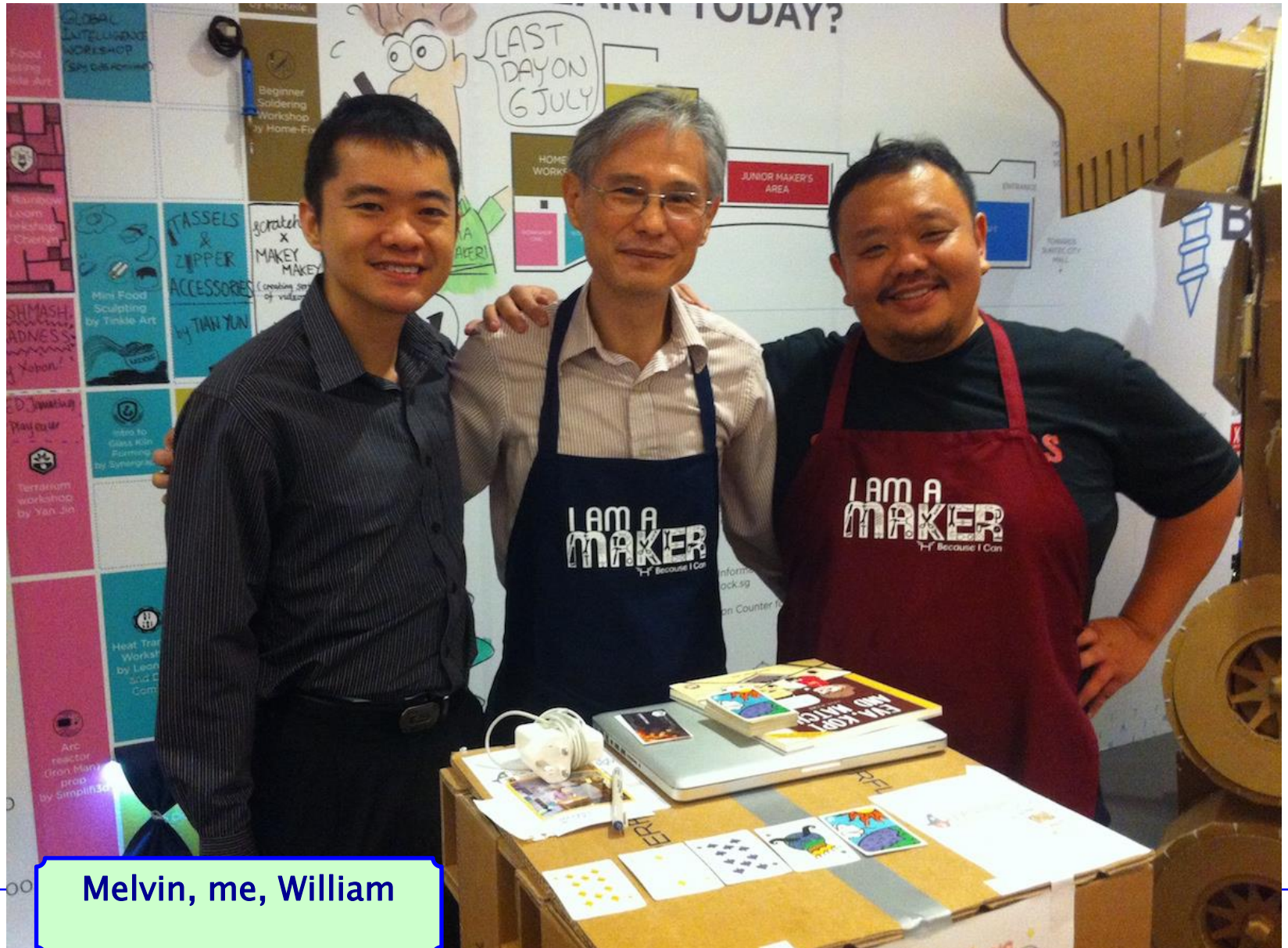
- **Computing related…**
  - Problem Solving in Computing
  - Competitive Programming
  - CS & IT Revolution (in USP)
  - GEQ1000, GET1301

Outreach & Mentoring

- **Outreach:**
  - **Talks, Workshops for JC/SS**
  - Creative Problem Solving in Math/CS
  - Unplugged Activities to learn Math/CS
  - **MakerFaire Events**
  - MatheMAGIC
  - **CT for Anyone and Everyone**

2014-07-18 SIL for Sec 3 @NYGH

Magic Card Trick @MakerBlock 2014



Melvin, me, William

CODE
XTREME
APPS 2017
MY SMART CITY
CONNECTING
OUR SENSES

Maker Faire® Singapore

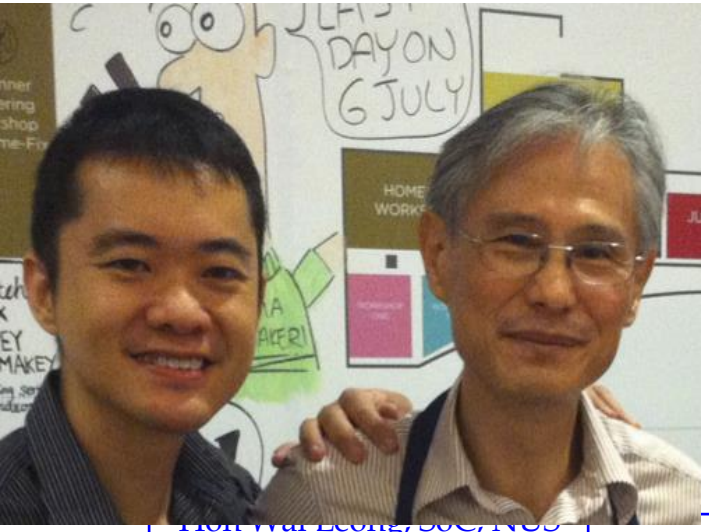
Saturday & Sunday
June 25 & 26, 2016

Singapore University of Technology and Design

NUS National University of Singapore

School of Computing

Computational Thinkerer



Dr. Melvin Zhang &
Prof Leong Hon Wai
@Maker Faire SG
25-26 June 2016

Hon Wai Leong, SoC, NUS

NUS National University of Singapore

School of Computing

Computational Thinking:

It's for A&E (Anyone & Everyone)

Work-in-Progress..

Hon Wai Leong
NUS, School of Computing & USP,
Email, FB: leonghw@comp.nus.edu.sg

(sharing with Dunman High School, 28-Dec-2016)

CT is a problem solving thinking process…

NUS National University of Singapore

School of Computing

Computational Thinking for K-12 Students

(what every parent and student should know)

Parent Talk: 05-Jun-2021 (Sat)

(part of 2021-CTE-STEM conference, 02-05 June 2021, Singapore)

Leong Hon Wai

Department of Computer Science

leonghw@comp.nus.edu.sg

Interested in helping out on talks/workshop/events?
Contact me via email…