

Hian-Wee HENG (Henry) 王'贤卫

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Seeking challenges and opportunities to help extend my reach and skillset in pursuit of educating people in and out of the classroom.

EDUCATION

Bachelor of Computer Science (Hons)

Taylor's University

Subang Jaya, MY

08/2015 – 07/2018 • CGPA 3.80 / 4.00

- Graduated with First Class Honors
- Recipient of Taylor's Tertiary Merit Scholarship award
- Obtained Dean's Lists award for all long academic semesters
- Dual-award program with University of West of England (UWE) Bristol, UK

Foundation in Computing

Taylor's University

Subang Jaya, MY

08/2014 – 06/2015 • CGPA 3.63 / 4.00

- Completed with Distinction
- Recipient of Taylor's High Achievers' Scholarship award

TEACHING EXPERIENCE

Lecturer (Part-Time)

Taylor's College

Subang Jaya, MY

08/2020 – Present

Recruited by my alma mater to help lecture modules for the Foundation in Computing (FIC) and Diploma in Information Technology (DIT) programs on a part-time basis. FIC and DIT are currently offered by the School of Pre-University Studies in Taylor's College.

Reported to: Mr. Weng-Ken LEE, Mr. Eng-Lye LIM (Sean)

Modules Lectured

- ITS30505 Introduction to Computing (FIC)
 - 01/2021 (short), 04/2021, 01/2022 (short), 04/2022
- ITS30605 Web Programming (FIC)
 - 08/2020, 04/2021, 08/2021, 04/2022, 08/2022
- ITS42004 Object-Oriented Programming (DIT)
 - 04/2021, 08/2021, 04/2022, 08/2022

- ITS42104 Object-Oriented Analysis and Design (DIT)
 - 08/2020, 04/2021, 08/2021, 04/2022, 08/2022

Modules Assisted

- CSC30905 Practical IT Skills (FIC)
 - Tutor, 04/2022 & 08/2022 Semester
- ITS30705 Introduction to Algorithm (FIC)
 - External Examiner, 08/2021 & 01/2022 Semester (re-sit and supplementary examination)
 - Tutor, 08/2022 Semester

Additional Responsibilities

- Module leader for each module actively being lectured in the semester, in charge of grading module assessments
- Involved in redeveloping syllabus under the Taylor's Curriculum Framework 2.0 (TCF 2.0) for the following modules:
 - ITS30505 Introduction to Computing (FIC)
 - ITS30605 Web Programming (FIC)
 - ITS42004 Object-Oriented Programming (DIT)
 - ITS42104 Object-Oriented Analysis and Design (DIT)
 - ITS42704 Web Development (DIT)

Note: Short academic semesters are 7 weeks long; regular academic semesters are 14 weeks

Freelance Tutor

10/2018 – Present

Private tutor for Mathematics and Additional Mathematics (CAIE IGCSE/SPM Level)

PALS Leader (Peer Tutor)

Taylor's University

Subang Jaya, MY

01/2015 – 06/2018 (3 years 6 months)

Peer tutored predominantly math-centric computing modules at Foundation, Diploma and Undergraduate level. Volunteered to fulfill scholarship requirements (for around 1.5 years before it got scrapped by the university in favor of monetary compensation). Efforts were done in collaboration with Taylor's School of Computing and IT (SoCIT) and Taylor's University Student Success Center (SSC).

Mentors: Ms. Jane Magdalen Jesudas, Mr. Gobindran Raj Rajagopal, Ms. Jamilah bt. Jamaluddin

Modules Peer Tutored for Foundation in Computing (FIC)

- MTH30204 Mathematics I: 01/2015 – 06/2015 (1 semester)
- MTH30404 Algebra & Calculus: 08/2015 – 12/2015 & 01/2016 – 05/2016 (2 semesters)
- MTH30504 Discrete Mathematics: 02/2016 – 05/2016 (1 semester)

- MTH30405 Introduction to Computing Mathematics: 08/2017 – 12/2017 & 03/2018 – 05/2018 (2 semesters)
- MTH30105 Mathematics: 09/2017 – 11/2017 & 04/2018 – 06/2018 (2 semesters)

Modules Peer Tutored for Diploma in Information Technology (DIT)

- MTH40303 Computing Mathematics: 08/2016 – 10/2016 & 04/2017 – 05/2017 (2 semesters)
- ITS40704 Object-Oriented Programming: 04/2017 – 05/2017 (1 semester)

Modules Peer Tutored at Undergraduate Level

- MTH60104 Mathematics for Computing I: 04/2016 – 07/2016 & 09/2016 – 12/2016 (2 semesters)
- ITS60304 C Programming, 1-1 Sessions: 10/2016 – 12/2016 (1 semester)
- MTH60804 Computing Mathematics: 04/2016 – 06/2017 & 09/2017 – 11/2017 (2 semesters)

Module Leaders:

- Mr. Yeong-Yih TAN (Ireneaus): MTH30204, MTH30404, MTH30504, MTH30405, MTH40303 (04/2017 – 05/2017)
- Dr. Lee-Hong TEE: MTH30105
- Ms. Shageetha Ramachandran: MTH40303 (08/2016 – 10/2016)
- Ms. Sarojini Devi Nagappan: ITS40704
- Dr. Thulsayammal Ramiah Pillai: MTH60104, MTH60804
- Mr. Eng-Lye LIM (Sean): ITS60304

OTHER WORK EXPERIENCE

Research Assistant

Sunway University
01/2019 – 12/2020 (2 years)

Subang Jaya, MY

Appointed as a Graduate Research Assistant with the Department of Computing and Information Systems, School of Engineering and Technology (SET)

- Research Project: Smart and Security Enhanced Transportation Ecosystem for A Sustainable Smart City

Mentors: Dr. Richard Teck-Ken WONG, Prof. Dr. Kok-Lim YAU

Intern

SME International Trade Association of Malaysia (SMITA)
01/2018 – 03/2018 (3 months)

Puchong, MY

- Completed Industrial Training as required for the Bachelor of Computer Science (Hons) program offered by Taylor's University
- Employed as an intern for a special project
- Helped to create videos showcasing company profile and recent initiatives

Industrial Supervisor: Ms. Leanne LOH

Academic Supervisor: Ms. Sumathi Balakrishnan

Taylor's Open Day Helper

Taylor's Education Group (Enrolment Advisory Services (EAS))
02/2017 – 03/2017 (2 months)

Subang Jaya, MY

Key roles:

- Input visitors' information and enrolment status of prospective students into the university's database
- Give tours of around campus grounds to keen parents and prospective students
- Handle various administrative tasks at the office front desk

Mentor: Ms. Hannah Razali

FYE Committee

Taylor's University
10/2015 – 08/2017 (1 year 11 months)

Subang Jaya, MY

Participated as a student committee member for the School of Computing and IT's First Year Experience (FYE) team to help orientate freshmen entering computing-related programs to university life.

Key roles:

- Helped to organize FYE activities for Taylor's School of Computing and IT (SoCIT) freshmen; activities mainly revolve around but are not restricted to orientation ice-breaking sessions and inter-cohort futsal friendlies
- Managed the official blog and social media account (Facebook group)

Mentor: Ms. Sukhminder Kaur

Student Orientation Facilitator

Taylor's University
08/2016 – 09/2016 (2 months)

Subang Jaya, MY

Participated as a student committee member under Taylor's Orientation Leader program.

Key roles:

- oversaw registration of freshmen during first day at university
- acted as one of the Campus Hunt game station masters
- support team member during Scholar's Welcome Party events; handled registration and service of refreshments

VOLUNTEER EXPERIENCE

Team Lead

Good Samaritan Home Klang
04/2017 – 05/2017 (2 months)

Klang, MY

Led a team comprising of six other classmates to help teach orphaned children (aged 9 to 17 years) at Good Samaritan Home essential practical IT skills (i.e., MS PowerPoint, Gmail, typing skills and techniques) as well as bringing online awareness with hopes that the children will find these skills useful for their future undertakings in life.

- Activity carried out to fulfill requirements for the Community Service Initiative module (UCM60102U4, university compulsory module) under Taylor's University

Lecturer In-charge: Ms. Sukhminder Kaur

Team Lead

El-Shaddai Refugee Learning Center
04/2017 – 05/2017 (2 months)

Klang, MY

Led a team comprising of three other classmates to help preserve the learning facility used by the refugee children.

- Activity carried out to fulfill requirements for the Service Learning module under Methodist College Kuala Lumpur (MCKL)

Lecturer In-charge: Ms. Rachel CHUA

HONORS/AWARDS

- Taylor's University Dean's List – Bachelor of Computer Science (Hons), 2015 – 2018
 - GPA 3.76 for 03/2018 Semester, Semester 7 (as of August 2018)
 - GPA 3.57 for 08/2017 Semester, Semester 5 (as of January 2018)
 - GPA 3.84 for 03/2017 Semester, Semester 4 (as of September 2017)
 - GPA 3.77 for 08/2016 Semester, Semester 3 (as of January 2017)
 - GPA 3.71 for 03/2016 Semester, Semester 2 (as of September 2016)
 - GPA 3.93 for 08/2015 Semester, Semester 1 (as of April 2016)
- Participation Award for Student Ambassador (ST.A.R.), 2016 – 2017
- Taylor's Tertiary Merit Scholarship, 2015
- Taylor's University Dean's List – Foundation in Computing, 2014 – 2015
 - GPA 3.55 for 01/2015 Semester, Semester 2 (as of July 2015)
 - GPA 3.72 for 08/2014 Semester, Semester 1 (as of January 2015)

PROJECTS

Capstone Project Repository (CPR)

The repository is essentially a one-stop center for the Capstone Project module undertaken by final year undergraduate students under the School of Computing and IT (SoCIT). Repository is to contain reports, project abstracts, and supervision details accessible by students, lecturers, and external stakeholders.

Supervisor: Dr. Sanath Sukumaran, Final Year Project Coordinator

International Procurement Online Matching System (IPOMS)

IPOMS aims to achieve the main objective of SMITA Malaysia's international procurement centers (IPCs), which is to enable business matching between importers and exporters globally via matching of buyers' requirements and sellers' product offerings.

IPOMS was developed over a one-year period to fulfill requirements set by PRJ60207 Final Year Project under Taylor's University.

Collaborated with: Chiew-King CHAN, Jie LI

Academic Supervisor: Ms. Norhidayah Hamzah

Industrial Supervisor: Ms. Leanne LOH

References are available upon request.