Dr. Han Liang Wee, Eric

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Experience

National University of Singapore

8 Aug 23 - 30 Jun 24 | *Teaching Assistant*
Continues from previous: Teach lectures, tutorials and consultations; Grading; Manage tutors; Mentor new tutors; Develop grading rubrics, exam questions and module tools; Taught 2 Sophomore-level, 8 Junior-level modules with more than 500 teaching/contact hours.

8 Aug 18 - 7 Aug 23 | *Graduate Tutor*

Jul 17 | *Tutor for Intro to Programming Workshop*
Teach freshmen on computational thinking, programming.

Scanteak

Dec 17 - Apr 18 | *Quality Control IT Project*
Studied Scanteak's supply chain, proposed automation to improve QC in procurement.

Church of Singapore (Bukit Timah)

May 16 - Aug 16 | *Software Engineering Intern*
Design and implement Church Management System (CHMS).

Agency for Science, Technology and Research

Dec 15 | *Research Intern – A Cloud-based Collaborative Model Building Platform*
Continues from previous: Design, implement & deploy visualization website, app. protocol.

May 15 - Jun 15 | *Research Intern – Autonomous Machine Learning using HPC Approaches*

Jan 13 - Jul 13 | *Research Intern – Route My Day (Recommendation System)*
Design, implement & deploy visualization website, distributed web crawler & MongoDB cluster.

Singapore Army, Ministry of Defence

NSmen | *Section Commander – First Sergeant (1SG)*

Feb 11 - Dec 12 | *Combat Engineer, Specialist Trainer*
National Service; Managed and trained men/cadets.

Education

Doctor of Philosophy (PhD) in Computer Science, National University of Singapore

Aug 18 - Jan 24 | *Bayesian Optimisation Techniques for High-Dimensional and Adversarial Settings*

Bachelor of Computing (Computer Science), National University of Singapore

Aug 13 - Jan 18 | *Graduated With Honours (Highest Distinction) in Computer Science, with Turing Programme*

Student Exchange, USC Viterbi School of Engineering

Jan - May 16 | *Grade Point Average (4.0/4.0); Best student in CSCI 420.*

Achievement

Awards

21 Apr 23 | *Full-Time Teaching Assistant Award, National University of Singapore*
Recognition of the high level of commitment to, and achievement of good teaching.

7 Mar 23 | *NS Excellence Award (NSEA), Singapore Army, Ministry of Defence*
Top 10% of performers during ICT and training courses.

1 Feb 22	*Certificate of Accomplishment, National University of Singapore* Long Service Award; In appreciation of the 5 years of service as a Graduate Tutor.
28 Jan 22	*NS Excellence Award (NSEA), Singapore Army, Ministry of Defence* Top 10% of performers during ICT and training courses.
25 Oct 19	*NS Excellence Award (NSEA), Singapore Army, Ministry of Defence* Top 10% of performers during ICT and training courses.
21 Jun 18	*Outstanding Undergraduate Researcher Prize 2017/18, National University of Singapore* Individual prize; Final Year Project - Feature Subset Selection using Reinforcement Learning.
29 Jan 18	*Certificate of Merit in Algo. & Theory Focus Area, National University of Singapore* Awarded for meritorious performance in the focus area.
15 Jan 18	*Dean's List Recipient, National University of Singapore* Named to Dean's List for meritorious performance in S1 AY17/18.
9 Dec 16	*NS Excellence Award (NSEA), Singapore Army, Ministry of Defence* Top 10% of performers during ICT and training courses.

Scholarships

25 Jul 12	*A*STAR Undergraduate Scholarship, Agency for Science, Technology and Research* Prestigious scholarship awarded to budding scientists.

Research   Peer-Reviewed Conference Publications

Jul 22	*Adversarial Attacks on Gaussian Process Bandits* *Eric Han*, Jonathan Scarlett Proceedings of the 39th International Conference on Machine Learning
Feb 21	*High-Dimensional Bayesian Optimization via Tree-Structured Additive Models* *Eric Han*, Ishank Arora, Jonathan Scarlett Proceedings of the 35th AAAI Conference on Artificial Intelligence

Summer School

Sept 19	*The Gaussian Process Summer School, 2019*
	The University Of Sheffield, Sheffield, United Kingdom

Service

Service to Research Community

23 Feb 23	*Student Volunteer for 34th International Conference on Algorithmic Learning Theory.*
20 Jan 23	*Session Chair for Workshop on Information Theory and Data Science Workshop.*
11 Apr 22	*Reviewer for 39th International Conference on Machine Learning.*

Service to National University of Singapore

8 Apr 22	*Admission reviewer for Master of Computing applicants (Aug 2022).*
29 Sept 21	*Featured in a PhD programme marketing video.*
3 - 5 Aug 21	*Program Committee for NUS Computing Research Week 2021.*
	Moderator of the technical panel discussion titled 'Heterogeneity in Federated Learning'.
26 Apr 21	*Admission reviewer for Master of Computing applicants (August 2021).*
18 Oct 20	*Admission reviewer for Master of Computing applicants (Jan 2021).*

Service to Agency for Science, Technology and Research

Jun 19	*Guidance to junior scholar – sharing of experiences.*
4 Dec 15	*Invited Speaker for A*STAR Scholarships Seminar for Undergraduate Studies.*
14 Mar 15	*Volunteer at A*STAR booth at NUS Open Day 2015 – Outreach and promotion.*

Service to Pioneer Junior College

May - Jun 15	*Teaching and sharing on 'Computational Thinking' to junior college students.*

Service to Impact Life Church

Mar 18 - Dec 23	*Head Of Information Technology – Lead a team of >15 volunteers.*
	Responsible for IT infra., purchasing, software development of Church applications, etc.
Oct 17 - Dec 23	*Cell Group Leader – Build strong communities and healthy Christians.*
Jan 12 - Dec 18	*Tutor - Teach tuition classes.*
	GCE 'A' lvl: Math, Physics & Economics; GCE 'O' lvl: Principles of Accounting, Physics.

Teaching

CS2109s – Introduction to AI and Machine Learning (Undergrad. 4 credits)

AY23/24 S2	*Teach tutorials; Ongoing Semester.*
AY23/24 S1	*Teach tutorials, grading, designing exam questions.*

CS3243 – Introduction to Artificial Intelligence (Undergrad. 4 credits)

AY22/23 S1	*Teach tutorials, review of learning materials, designing exam questions.*
AY21/22 S2	*Teach tutorials, grading, organize tutors for assignment grading, designing assignment grading rubrics, designing exam questions.*

CS3217 – Software Engineering on Modern App. Platforms (Undergrad. 4 credits)

AY21/22 S2	*Teach tutorials.*

CS3203 – Software Engineering Project (Undergrad. 8 credits)

AY21/22 S1	*Support lectures, teach consultations, organize tutors, grading, improve grading rubrics and improve testing tools.*

AY20/21 S2 | *Support lectures, teach consultations, organize tutors, grading, maintain testing tools.*

AY19/20 S2 | *Support lectures, teach consultations and develop testing tools.*

AY18/19 S2 | *Teach tutorials, consultations and support lectures.*

AY18/19 S1 | *Teach tutorials and consultations.*

CS2030/CS2030S – Programming Methodology II (Undergrad. 4 credits)

AY20/21 S1 | *Support labs and develop sub-flavor of Fedora Linux for virtual exam needs due to COVID-19.*

Competency Computing Platforms

> | *Programming Languages*
  Python (also sci. pkgs., ie. SciPy), C++, Java, HTML/CSS, Java/Typescript, Bash.

> | *Databases*
  Firebase, SQL, MongoDB.

> | *Typesetting / Presentation Tools*
  LaTex, Markdown, Microsoft Office, Google Workspace.

> | *Tools / Platforms*
  Git, Mlflow, Plotly, Matplotlib, Slurm, Jira, Google Cloud Platform.

> | *Operating Systems*
  Linux (Fedora; daily driver), *nix administration, Windows, macOS.

Language Proficiency

> | *English (Native) and Chinese (Intermediate).*