

# Dr. Han Liang Wee, Eric

+6592982927

mail@eric-han.com

eric-han.com

eric\_vader

eric-vader

## 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*

### Scanteak

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

### Agency for Science, Technology and Research

Dec 15 | *Research Intern – A Cloud-based Collaborative Model Building Platform*  
Continues from previous: Design, implement & deploy dockerized, distributed ML platform.

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.

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

Aug 18 - Jan 24 | *Focus is in AI / Machine Learning / Optimization - High-Dimensionality and Robustness.*

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

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

## 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.
- 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.

### 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 | *Structured Dimensionality Reduction Methods for Black-Box Adversarial Attacks with BO*  
Eric Han, Jonathan Scarlett  
Ongoing Work

- 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

## **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).*
- 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).*

## **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 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.

## **Competency Computing Platforms**

- > | *Programming Languages*  
Python, C++, Java, HTML/CSS, Java/Typescript, Bash, CUDA.
- > | *Numerical Computing*  
NumPy, SciPy, PyTorch, GPy, etc...
- > | *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).*