Han Liang Wee, Eric

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To: **Motional, Inc**   Wednesday 17th August, 2022
3 Fusionopolis Way, #15-20 Symbiosis
Singapore 138633

Dear Recruiter,

Thank you for our conversation at NUS SoC Career Fair; your recruiter advises me to send in my resume. I am Eric Han, studying for a Ph.D. in AI/Machine Learning. I am interested in an internship at Motional starting *Dec 2022*, spanning about *12 weeks*. I am graduating in *Aug 2023*.

I am wondering if you are looking for Ph.D. talent and if you have internships available for the period as mentioned earlier. I would also be curious to know more about the AI/ML projects happening in Motional, for which I can apply my skills.

Regards,
Eric Han

Experience

National University of Singapore

8 Aug 18 - Curr.
Graduate Tutor
Tutor for Undergraduate modules. Teach lectures, tutorials and consultations; Manage tutors and grading; Mentor new tutors; Develop grading rubrics, exam questions and module tools.

Jul 17
Tutor for Intro to Programming Workshop
Coached freshmen on computational thinking, programming.

Church of Singapore (Bukit Timah)

May 16 - Aug 16
Software Engineering Intern
Designed and deployed Church Management System (CHMS).

Agency for Science, Technology and Research

Dec 15
Research Intern – A Cloud-based Collaborative Model Building Platform
Contributed to a cloud based Machine Learning platform.

May 15 - Jun 15
Research Intern – Autonomous Machine Learning using HPC Approaches
Contributed to a cloud based Machine Learning platform.

Jan 13 - Jul 13
Research Intern – Route My Day (Recommendation System)
Contributed to a end-to-end recommender system.

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 (Ph.D.) in Computer Science, National University of Singapore

Aug 18 - Exp.23
Current Cumulative Average Point (4.92/5.00); Advised by Asst. Prof. Scarlett Jonathan.
Research focus 'Towards Modern Gaussian Processes', which aims to tackle problems related to Gaussian Processes (GP) such as scaling and robustness.

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

Aug 13 - Jan 18 | *Graduated With Honours (Highest Distinction) in Computer Science*
Completed the Turing Programme, which nurture students who aspire to engage research careers.

Student Exchange, USC Viterbi School of Engineering

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

Achievement

Awards

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; For 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 | *Attended The Gaussian Process Summer School, 2019*
The University Of Sheffield, Sheffield, United Kingdom

Service

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 - Curr. | *Head Of Information Technology – Lead a team of >15 volunteers.*
Responsible for IT infra., Purchasing, Software development of Church Applications and more.

Oct 17 - Curr. | *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.

Competency — Computing Platforms

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

> | *Tools / Platforms*
Git, Mlflow, Plotly, Jira, Google Cloud Platform, Microsoft Office, Google Workspace.

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

Language Proficiency

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