

NG KWONG CHEONG



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EDUCATION

- | | | |
|-----------|--|----------------|
| MS | Soka University, Information System Science
Thesis: Traffic Risk Estimation based on region-based
Spatio-temporal Neural Network
Advisor: Professor Masayasu Atsumi | September 2020 |
| BS | Universiti Tunku Abdul Rahman, Computer Engineering
Graduated Magna Cum Laude | May 2014 |

HONORS AND AWARDS

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|---|-------------|
| Second Class Honours (Upper Division)
Honorary title for graduate students of Universiti Tunku Abdul Rahman
who have completed studies with CGPA above 3.0 | 2014 |
| Schlieman Award
Honorary award for international students in Soka University who have taken foreign
language proficiency test with remarkable results | 2020 |
| Makiguchi Scholarship
Recipient of the Makiguchi scholarship provided by Soka University | 2018 - 2020 |

RESEARCH EXPERIENCE

- | | |
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| Soka University, Japan
Research student , Atsumi Laboratory | 2018 to 2020 |
| <ul style="list-style-type: none">• Python programming in deep learning-based research• Traffic Risk Estimation based on Region-based Spatio-temporal Neural Network | |

PUBLICATIONS

Conference Papers

(Peer-Reviewed)

Ng, Kwong Cheong, Murata, Yuki and Masayasu, Atsumi, *Traffic Risk Estimation from On-vehicle Video by Region-based Spatio-temporal DNN trained using Comparative Loss*, Proceedings of the 33rd Annual Conference of the Japanese Society for Artificial Intelligence, June. 04-07, 2019.

Ng, Kwong Cheong, Murata, Yuki and Masayasu, Atsumi, *Performance Enhancement of Region-based Spatio-temporal Neural Network for Traffic Risk Estimation using Real and Virtual Datasets*, Proceedings of the 34th Annual Conference of the Japanese Society for Artificial Intelligence, June. 09-11, 2020.

Conference Papers in Review

Ng, Kwong Cheong, Murata, Yuki and Masayasu, Atsumi, *Traffic Risk Estimation based on Region-based Spatio-temporal Neural Network*, Proceedings of International Conference on Pattern Recognition, Jan. 10-15, 2021, PAPERID-2607,

PRESENTATIONS AND INVITED LECTURES

Poster Presentation, *Traffic Risk Estimation from On-vehicle Video by Region-based Spatio-temporal DNN using Comparative Loss*, 33rd annual conference of the Japanese Society for Artificial Intelligence, June 6, 2019.

Paper Presentation, *Performance Enhancement of Region-based Spatio-temporal Neural Network for Traffic Risk Estimation using Real and Virtual Datasets*, 34th annual conference of the Japanese Society for Artificial Intelligence, June 10, 2020.

PROFESSIONAL TRAINING

Upskilling program

Dreamcatcher consulting, Cyberjaya, Malaysia, April 2015

- Java Programming (Java EE)
- Android Application Development
- Agile Scrum
- Oracle PL/SQL

PROFESSIONAL AFFILIATIONS

Japanese Society of Artificial Intelligence, 2019-Present
Student member.

Soka Gakkai Association of Malaysia, 1990-Present
Youth leader of youth division.

COMMUNITY SERVICE

Kechara Soup Kitchen

Volunteer, Kuala Lumpur, Malaysia, June 2018

LANGUAGES

English: Bilingual proficiency (TOEFL IBT 101/120)

Mandarin: Native speaker

Cantonese: Native speaker

Malay: Bilingual proficiency, Advanced Reading and Writing

Japanese: Intermediate Listener, Novice Speaker, Intermediate Reading and Writing

COMPUTER SKILLS

Programming: Java, Python, PHP, JavaScript,

Platforms: Eclipse IDE, Anaconda IDE, Visual Studio, Visual Studio Code, Pycharm

OTHER

Hobbies/Interests: Swimming, Gaming, Jogging, Reading, Cycling

REFERENCES

Dr. Masayasu Atsumi, Head of Department

Department of Information System Science, Soka University

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Mr. Mok Kai Ming, Senior Lecturer

Faculty of Information and Communication Technology, Universiti Tunku Abdul Rahman

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