




LUU HUU PHUC

Curriculum Vitae

Nov 2021

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Education

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|-------------|---|
| 2020 - Now | Kyoto University. M.Sc. in Intelligence Science and Technology. GPA: 4.20/4.3
<i>A+ on advanced courses: Computer Vision (project, project) and Pattern Recognition (project) ...</i> |
| 2016 - 2020 | Kyoto University. B.Eng. in Informatics and Mathematical Science. GPA: 3.57/4.3 |
| 2015 - 2016 | Tokyo University of Foreign Studies. |
| 2012 - 2015 | Hanoi University of Science, Vietnam. B.Sc. in Mathematics (<i>Talented Program</i>). |

Experience

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| Dec 2020 - | Research Internship. Artificial Intelligence Lab, Fujitsu Research, Fujitsu Ltd. |
| Feb 2021 | <i>Worked on Molecular Property Prediction with Graph Neural Networks. Performed systematic paper review. Benchmarked core GNN models. Improved the company's model and attended in competitions. Achievement: Fourth place in MIT AICures's "Fighting Secondary Effects of Covid" Challenge. (Link)</i> |
| April 2020 - | Research Assistant. Machine Learning and Data Mining Research Laboratory, Kyoto University. |
| Now | <i>Worked on the application of Optimal Transport in Link Prediction problems. Achievement: Two papers published in refereed conferences.</i> |

Papers

- **Simultaneous Link Prediction on Unaligned Networks Using Graph Embedding and Optimal Transport.** Luu Huu Phuc, Koh Takeuchi, Makoto Yamada, Hisashi Kashima. *2020 IEEE 7th International Conference on Data Science and Advanced Analytics (DSAA)*, 2020, pp. 245-254. ([Paper](#), [Pdf](#), [Code](#))
- **Inter-domain Multi-relational Link Prediction.** Luu Huu Phuc, Koh Takeuchi, Seiji Okajima, Arseny Tolmachev, Tomoyoshi Takebayashi, Koji Maruhashi, Hisashi Kashima. *Joint European Conference on Machine Learning and Knowledge Discovery in Databases (ECML-PKDD)*, 2021, pp. 285-301. ([Paper](#), [Pdf](#), [Code](#))

Awards

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|-------------|--|
| 2020 - 2022 | The Japanese Government (MEXT) Scholarship Program.
<i>Two-year grant of fully funded master's study in Japan.</i> |
| 2015 - 2020 | The Japanese Government (MEXT) Scholarship Program.
<i>Five-year grant of fully funded bachelor's study in Japan. Only 4 candidates were granted in Vietnam at the year.</i> |
| 2013 - 2015 | General Electric Foundation Scholar-Leaders Program Vietnam.
<i>Three-year grant (US\$ 3.450) of bachelor's study in Vietnam. Top 10 candidates selected nationwide.</i> |
| 2012 | Second Prize in Vietnam National Mathematical Olympiad (VMO).
<i>The most prestigious student Olympiad in Vietnam. Intense multiple-round pre-qualification at the provincial (cantonal) level. Only around 400 qualified students being granted to compete at the national level.</i> |

Skills

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|------------------|---|
| Machine Learning | Graph Mining, Graph Neural Networks, Optimal Transport |
| Tools | Python, Pytorch, Pytorch Geometric, Numpy, Pandas |
| Languages | Vietnamese (<i>Native</i>) • English (<i>Fluent</i> , cert.) • Japanese (<i>Proficient</i>) |