

Truong Vu-Quang, AI Researcher

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in truongvu2710



Employment History

- 2/2023 – now **AI Resident, VinAI.**
Supervisor: *Prof. Minh Hoai Nguyen*
Working on efficiency-preserving scene-adaptive object detector.
- 8/2022 – 2/2023 **AI Engineer Intern, Quy Nhon AI Research and Application Center.**
Project: *Bot IT Help desk*
Building a chatbot to support IT team in dealing with account/VDI/network issues of the staffs in FPT.

Education

- 2019 – 2023 **Bachelor of Computer Science,** School of Information and Communication Technology (SoICT), Hanoi University of Science and Technology (HUST).
CPA: 3,90.
Thesis title: *SPARTA-GEMSTONE: A two-phase approach for efficient node placement in 3D wireless sensor networks under Q-Coverage and Q-Connectivity constraints.*

Research Publications

Journal Articles and Conference Papers

- 1 Q. T. Vu, P. T. Nguyen, T. H. Nguyen, T. T. B. Huynh, V. C. Trinh, and M. Gidlund, "Striking the perfect balance: Multi-objective optimization for minimizing deployment cost and maximizing coverage with harmony search," *Journal of Network and Computer Applications*, vol. 232, p. 104 006, 2024, ISSN: 1084-8045. [DOI: https://doi.org/10.1016/j.jnca.2024.104006](https://doi.org/10.1016/j.jnca.2024.104006).
- 2 Z. Zhang, V. Q. Truong, and M. Hoai, "Efficiency-preserving scene-adaptive object detection," *In Proceedings of British Machine Vision Conference*, 2024.
- 3 N. T. Hanh, H. T. T. Binh, V. Q. Truong, N. P. Tan, and H. C. Phap, "Node placement optimization under q-coverage and q-connectivity constraints in wireless sensor networks," *J. Netw. Comput. Appl.*, vol. 212, p. 103 578, Mar. 2023. [URL: https://doi.org/10.1016/j.jnca.2022.103578](https://doi.org/10.1016/j.jnca.2022.103578).

Skills

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|-----------|---|
| Languages | Good reading, writing and speaking competencies for English |
| Coding | Java, Python, C/C++, SQL, \LaTeX , ... |
| Databases | MySQL, PostgreSQL, SQLite. |
| AI | Computer Vision. |
| Misc. | Academic research, teamwork, presentation skills. |

Miscellaneous Experience

Awards and Achievements

- 2017
 - 📌 **Second place**, Hanoi Open Mathematics Competition.
 - 📌 **Silver medal**, 13th Hung Vuong Summer Camp.
- 2018
 - 📌 **Bronze medal**, 14th Hung Vuong Summer Camp.
 - 📌 **Consolation prize**, Vietnam Mathematical Olympiad.
- 2019
 - 📌 **Second place**, Hung Yen Mathematical Contest.
 - 📌 **Valedictorian with A1 grades, salutatorian with A grades of Hung Yen**, National High School Exam.
 - 📌 **Second place**, Hung Yen Mathematical Contest.
- 2020
 - 📌 **Sumitomo sponsor scholarship**, HUST.
- 2021
 - 📌 **Study encouragement scholarship**, HUST.
- 2022
 - 📌 **Study encouragement scholarship**, HUST.
- 2023
 - 📌 **Sumitomo sponsor scholarship**, HUST.
 - 📌 **Consolation prize**, SoICT Student Research Conference.
 - 📌 **Best presentation award**, SoICT.
 - 📌 **First prize**, SoICT Hackathon, Tiki Track.

Certification

- 2022
 - 📌 **IELTS Academic 7.5**, British Council.

References

Minh Hoai Nguyen

Professor

The University of Adelaide,
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Binh Huynh Thi Thanh

Associate Professor

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`binh.huynhthithanh@hust.edu.vn`