

BAO LE | Curriculum Vitae

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Education

Ho Chi Minh University of Science (HCMUS)

Bachelor of Science in Mathematics and Computer Science, Honor Program. 2019–2023

- **Major:** Data Science.
- **Supervisor:** Associate Professor. Binh Thanh Nguyen, PhD. Man Minh Ngo.
- **GPA:** 8.90/10.0 (3.65/4.0).
- **Bachelor thesis:** Aspect-Based Sentiment Analysis and Its Span Detection by Generative Model and Instruction.

Research Experience

AISIA Research Lab

Researcher 2021–now

- Research topics: Sentiment Analysis and Named Entity Recognition, now Data Imputation.

Research Interests

I have experiences in both Computer Vision (CV) and Natural Language Processing (NLP). My current interests are about Sentiment Analysis, Hate Speech Detection and Named Entity Recognition, and currently, I am focusing on Hate Memes Detection.

Publications

- **Bao Le**, Thi Quynh Pham, Anh Thi Van Hoang and Binh T. Nguyen ***OphNER: A New Ophthalmology Named Entity Recognition Dataset for English*** In Proceedings of the 15th IEEE International Conference on KNOWLEDGE AND SYSTEMS ENGINEERING.
- Dat Q. Duong, Tuan-Anh Tran, Phuong Nhi Nguyen Kieu, Tien K. Nguyen, **Bao Le**, Stephen Baker, Binh T. Nguyen ***A Deep Learning Approach to Segment High-Content Images of the E.coli Bacteria*** In Advanced Concepts for Intelligent Vision Systems Conference 2023.
- Phuc Nguyen, Linh G. H. Tran, **Bao H. Le**, Thuong H. T. Nguyen, Thu Nguyen, Hien D. Nguyen, Binh T. Nguyen ***Faster Imputation Using Singular Value Decomposition for Sparse Data*** In Proceedings of the 15th Asian Conference on Intelligent Information and Database Systems.
- Thuong H. T. Nguyen, **Bao Le**, Phuc Nguyen, Linh G. H. Tran, Thu Nguyen, Binh T. Nguyen ***Principal Components Analysis based Imputation for Logistic Regression*** In Proceedings of the 36th International Conference on Industrial, Engineering Other Applications of Applied Intelligent Systems.
- **Bao Hoang Le**, Hoang Minh Nguyen, Nhi Kieu-Phuong Nguyen, Binh T. Nguyen ***A New Approach for Vietnamese Aspect-Based Sentiment Analysis*** In Proceedings of the 14th IEEE International Conference on KNOWLEDGE AND SYSTEMS ENGINEERING.
- Khanh Quoc Tran, An Tran-Hoai Le, An Trong Nguyen, Tung Tran Nguyen Doan, Son Huynh Thanh, **Bao Le Hoang**, Hoang Nguyen Minh, Triet Minh Thai, Hoang Le Huy, Dang T. Huynh, Binh T. Nguyen, Nhi Y. T. Ho and Trung T. Nguyen. ***SEND: A Simple and Efficient Noise Detection Algorithm for Vietnamese Real Estate Posts*** In Proceedings of the 36th Pacific Asia Conference on Language, Information and Computation.
- Son Huynh; Khiem Le; Nhi Dang; **Bao Le**; Dang Huynh; Binh T. Nguyen; Trung T. Nguyen; Nhi Y. T. Ho. ***Named Entity Recognition for Vietnamese Real Estate Advertisements*** In Proceedings of the 8th NAFOSTED Conference on Information and Computer Science.

Honors and Awards

Advanced youth follow President Ho Chi Minh's wills Certificate	2023
Runner-Up Best Paper Award for paper <i>A New Approach for Vietnamese Aspect-Based Sentiment Analysis</i> at KSE Conference	2022
1st Runner-Up Best Paper Award in Computing for paper <i>SEND: A simple and efficient noise detection algorithm for Vietnamese real estate posts</i> at PACLIC Conference	2022
Odon Vallet Scholarship for undergraduate students in the South Region	2022

Other Activities

Summer School on Mathematics, Summer School Data Science <i>Student at Summer School organised by Vietnam Institute for Advanced Study in Mathematics (VIASM).</i>	2023
Star Education <i>Teacher Assistant</i>	08/2021–05/2022
Mathematical Reflection - an article of Titu Andreescu. <i>Solve problems and be named in this article</i> From No.3, 2021 - No.5, 2022.	06/2021–10/2022
Faculty of Mathematics and Computer Science Academic Club <i>Vice President</i>	2019–2021
<ul style="list-style-type: none">◦ Organize the Mobius contest - an offline contest attracting over 100 students in Ho Chi Minh City.◦ Open the Chess and Chinese chess for students.	

Technical skills

Programming Languages: Python, SQL, Matlab, R, LaTeX.
Languages: Vietnamese (Native), English (IELTS 6.5), French (Beginner).

Referees

Assoc. Prof. Binh Thanh Nguyen <i>Head of Department of Computer Science</i> Faculty of Mathematics and Computer Science, the University of Science, Vietnam National University in Ho Chi Minh City, Vietnam. <ul style="list-style-type: none">◦ Email: ngtbinh@hcmus.edu.vn.◦ Google Scholar: https://scholar.google.com/citations?user=dXEb3PMAAAAJ.
Dr. Man Minh Ngo <i>Lecturer of Department of Computer Science</i> Faculty of Mathematics and Computer Science, the University of Science, Vietnam National University in Ho Chi Minh City, Vietnam. <ul style="list-style-type: none">◦ Email: nmman@hcmus.edu.vn.◦ Google Scholar: https://scholar.google.com.vn/citations?user=tshz60MAAAAJ.