

# ANH HO

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🌐 Anh Ho | 🌐 <https://brojackvn.github.io/> | 🌐 brojackvn

## Education

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### Hanoi University of Science and Technology - Vietnam

8/2019 - 9/2023

- BSc. Computer Science
- CGPA: 3.56/4.0 (convertible to 10-scale: 8.90)
- Thesis title: *Deep learning for automated detection of code smells* (Grade: 9.5/10 - A<sup>+</sup> equivalent)
- Selected for *Talented Program* in Computer Science (Selected 35 out of 1000 in our cohorts)

### Vo Nguyen Giap High School for the Gifted - Quang Binh, Vietnam

9/2016 - 6/2019

- Specialized Class in Mathematics.
- Awarded *Second Prizes* in Mathematics of the National Excellent Student Competition 2019, also known as Vietnam Mathematical Olympiad (VMO 2019).

## Publications

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*Note: My name is bolded in the list of authors.*

### Conference Papers

<b>EASE'23</b> A-ranking conference according to CORE Portal	<b>Fusion of deep convolutional and LSTM recurrent neural networks for automated detection of code smells</b> by <b>Anh Ho</b> , Anh M. T. Bui, Phuong T. Nguyen, Amleto Di Salle in Proceedings of the 27th International Conference on Evaluation and Assessment in Software Engineering, 2023, pp. 229–234. <a href="#">DOI</a>
<b>SOICT'22</b>	<b>Combining Deep Learning and Kernel PCA for Software Defect Prediction</b> by <b>Anh Ho</b> , Nguyen Nhat Hai, Bui Thi Mai Anh in Proceedings of the 11th International Symposium on Information and Communication Technology, 2022, pp. 360–367. <a href="#">DOI</a>

### Journal Papers

<b>JSS'24</b> Under Review Q1-Journal according-to Scimago	<b>EnseSmells: Deep ensemble and programming language models for automated code smells detection</b> by <b>Anh Ho</b> , Anh M. T. Bui, Phuong T. Nguyen, Amleto Di Salle. Under Review at Journal of Systems & Software, 2024. <a href="#">PDF</a>
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## Research Experience

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### Intelligent Software Engineering Laboratory - RISE, BK-AI, HUST

10/2021 - 12/2023

*Research Assistant*

- Research Topic: *Software Defect Prediction* and *Code Smell Detection*.
- Supervisor: *Dr. Mai-Anh Bui* (Research leader of the group RISE).
- Collaborating with *Dr. Thanh-Phuong Nguyen* (The University of L'Aquila, Italy), who has been my co-supervisor since October 2022.

### Software Engineering Research Group, The University of Melbourne

5/2023 - 12/2023

*Research Intern*

- Research Topic: *Automated Software Program Repair*.
- Supervisor: *Dr. Bach Le*

## Honors and Awards

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### Top 6 in Zalo AI Challenge 2022

2022

- Top 6 private test in Zalo AI Challenge - Task: *Lyrics Alignment*
- Leaderboard: <https://challenge.zalo.ai/portal/lyric-alignment/final-leaderboard>.
- An annual competition hosted by Zalo, a subsidiary of VNG Corporation, one of the largest tech companies in Vietnam.

### Talent Scholarship for the academic year 2019 - 2020

2019

- Hanoi University of Science and Technology.
- Top 5% of students in the Faculty of Computer Science

### Second Prizes in Mathematics of the National Excellent Student Competition

2019

- Vietnam Ministry of Education and Training.
- The top 40 candidates have been selected to participate in the Vietnam Team Selection Test 2019 (VN TST 2019), with the aim of choosing the top 6 students to represent the national team at the International Mathematical Olympiad 2019 (IMO 2019).

### Odon Vallet Scholarship

2018

- The scholarship is supported by *Prof. Odon Vallet* and the *Vietnam Education & Science Foundation (Rencontres du Vietnam)*.

### Mathematics and Youth Magazine

2018, 2019

- *Special Prize (2018)* and *Second Prize (2019)*.
- One of Vietnam's top two magazines for mathematics enthusiasts, alongside PI Magazine.

## Extracurricular Activities

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### Teaching Assistant - AI Fresher Training Program at VinBigdata

9/2023 - 10/2023

- Contributed as a Teaching Assistant for Natural Language Processing (NLP) course in the prestigious program of VinBigdata, a renowned program for AI Fresher in Vietnam.

### Summer School on Modern Machine Learning: Foundations and Applications

9/2023

- Hosted by SOICT - HUST and co-sponsored by VinBigdata - Vietnam and NAVER Group - Korea.
- Acceptance rate: 22.1%.

### Personal Certificate of Merit

2020, 2021, 2022

- Awarded by President of Hanoi University of Science and Technology.
- Acknowledged for achieving excellent academic results and actively contributing to the university's youth organization.

### Personal Certificate of University's Youth Union

2020, 2021, 2022

- Worked as Committee Member at Youth Union of School of Information and Communication Technology (SoICT).
- Worked as Committee Member at Organizing and Inspection Team in Youth Union of Hanoi University of Science and Technology (HUST).

### "Student with 5 Good Criteria" - HUST

2021

- Awarded by President of Vietnam Union of Students in HUST.
- "Student with 5 Good Criteria" Movement - Good: Morality - Studying - Physical training - Volunteering - Integration