

E-RO NGUYEN

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EDUCATION

Bachelor of Computer Science | *Advanced Program in Computer Science* Aug 2018 – Aug 2022(Expected)
University of Science, VNU-HCM Ho Chi Minh City, Vietnam

- GPA: 3.94 / 4.00
- Received full-year scholarship for freshman of the Advanced Program in Computer Science (2018).
- Received half-year scholarship for excellent student of the Advanced Program in Computer Science (2020)
- Relevant courses: Linear Algebra, Machine Learning, Artificial Intelligence, Applied Statistics

RESEARCH & WORK EXPERIENCE

Research Intern May 2021 – Present
VinAI Research Ho Chi Minh City, Vietnam

- Supervisor: Assoc. Prof. Minh Hoai
- Research and implement new methods with topic Semi-supervised Video Object Segmentation - Given a video and the annotations of objects for the first frame, aims to track and segment them in the whole video.

PROJECTS

Zigzok

- An android application that allows users to join room, select songs from Youtube and sing together.
- Technologies: Java, Firebase, Zoom SDK, Youtube Data V3 API.

FindFind

- An android application that supports a group to find out the best place to gather.
- Technologies: Java, SQLite, Django, Google Maps API.

AI4VN

- Lead a team of five to build an application to detect the special/abnormal events in the city.
- Technologies: Python, Pytorch, Numpy, Pandas

ORGANIZATION

Volunteer Researcher Sep 2019 – Present
SELab, University of Science, VNU-HCM Ho Chi Minh City, Vietnam

- Worked as a team to apply computer vision/deep learning techniques to solve academic challenges.

Problem Setter Aug 2017 – Mar 2021
Free Contest Team Ho Chi Minh City, Vietnam

- Creating the algorithmic problems in free algorithmic contest for the community in Vietnam.

PUBLICATIONS

Video Object Segmentation with Memory Augmentation and Multi-Pass Approach 2020
The 2020 DAVIS Challenge on Video Object Segmentation, CVPR Workshops 2020

Efficient One-Shot Video Object Segmentation 2020
2020 7th NAFOSTED Conference on Information and Computer Science (NICS)

Extended Monocular Image Based 3D Model Retrieval 2020
13th Eurographics Workshop on 3D Object Retrieval, 3DOR'20

AWARDS

Ranked 6/134 teams - The 2020 ICPC Asia Can Tho Regional Contest Dec 2020
Competed in a team of three to solve 10-12 algorithmic problems in five hours contest using C++ / Java.

Ranked 15 - Samsung Collegiate Programming Cup 2019 Final Round in Korea Jul 2019
Competed individually to solve algorithmic problems in 4 hours. The contest is organized annually by Samsung with around 10,000 competitors. I won the fourth prize in the Final round.

Bronze medal - The 2018 ICPC Asia Hanoi Regional Contest Dec 2018

Bronze medal - The 2018 ICPC Asia Yangon Regional Contest Dec 2018

SKILLS

Languages: Vietnamese (Native), English (Professional)
Programming languages: C/C++, Python and Java
Frameworks: Pytorch, Keras, Numpy, OpenCV, Django