

E-Ro Nguyen

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Education

University of Science, VNU-HCM

B.S. IN COMPUTER SCIENCE | *Advanced Program in Computer Science*

Ho Chi Minh City, Vietnam

Aug. 2018 - Dec. 2022 (Expected)

- 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, 2021)

Work Experience

VinAI Research

RESEARCH INTERN

Ho Chi Minh city, Vietnam

May. 2021 - Feb. 2022

- Research on the topic of Semi-supervised Video Object Segmentation.
- Analyse and re-implement state-of-the-art methods on the topic.
- Deploy a fast and accurate model based on previous state-of-the-art approaches.

Honors & Awards

COMPETITIVE PROGRAMMING

- | | | |
|------|---|-------------------------|
| 2022 | Fourth Place , The 2021 ICPC Asia Hanoi Regional Contest | <i>Hanoi, Vietnam</i> |
| 2022 | Champion , The 2021 ICPC National Vietnam Contest | <i>Vietnam</i> |
| 2021 | Top 62nd , Facebook Hacker Cup 2021 | <i>Online</i> |
| 2020 | Sixth Place , The 2020 ICPC Asia Cantho Regional Contest | <i>Can Tho, Vietnam</i> |
| 2019 | Fourth Prize , Samsung Collegiate Programming Cup 2019 Final Round | <i>Seoul, Korea</i> |

ARTIFICIAL INTELLIGENCE

- | | | |
|------|---|----------------------|
| 2022 | Sixth Place , The 4th Large-scale Video Object Segmentation Challenge | <i>Online</i> |
| 2021 | First prize , Ho Chi Minh City AI-Challenge 2021 | <i>HCMC, Vietnam</i> |
| 2020 | Third Prize , AI Hackathon @ AI4VN | <i>HCMC, Vietnam</i> |
| 2020 | Fourth & Sixth Place , The 2020 DAVIS Challenge on Video Object Segmentation | <i>Online</i> |

Publications

Visual-Language Transformer for Referring Video Object Segmentation

THE 4TH LARGE-SCALE VIDEO OBJECT SEGMENTATION CHALLENGE, CVPR WORKSHOPS 2022

New Orleans, U.S.A

May 2022

PointRend with Attention Fusion Refinement for Polyps Segmentation

MEDIAEVAL 2021 WORKSHOP

Online

Dec. 2021

Video Object Segmentation with Memory Augmentation and Multi-Pass Approach

THE 2020 DAVIS CHALLENGE ON VIDEO OBJECT SEGMENTATION, CVPR WORKSHOPS 2020

Online

Jun. 2020

Extracurricular Activity

SELab, University of Science, VNU-HCM

VOLUNTEER RESEARCHER

HCMC, Vietnam

Sep. 2019 - Present

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

Free Contest

PROBLEM SETTER

HCMC, Vietnam

Aug. 2017 - Mar. 2021

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

Skills

- **Language:** Vietnamese (Native), English (Professional)
- **Programming:** Python, C++, Java