

E-Ro Nguyen

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Education

Stony Brook University <i>Ph.D in Computer Science</i>	New York, USA Aug 2024 - Present
University of Science - VNUHCM <i>B.Sc in Computer Science</i>	Ho Chi Minh City, Vietnam 2018 - 2022

Experience









Stony Brook University <i>Graduate Research Assistant</i>	NY, USA Aug 2024 - Present
VinAI Research <i>Research Intern</i>	HCMC, Vietnam May 2021 - Feb 2022
University of Science - VNUHCM <i>Research Assistant</i>	HCMC, Vietnam Sep 2019 - Sep 2023

Selected Awards

Top 300 at Meta Hacker Cup 2024 	2024
Champion at SBU ICPC Team Selection 2024 @ Stony Brook University, NY, USA	2024
John Hennessy Fellowship @ Stony Brook University, NY, USA	2024
Sixth Place at The 4th Large-scale Video Object Segmentation Challenge @ CVPR Workshops	2022
Fourth Place at The 2021 ICPC Asia Hanoi Regional Contest	2022
Champion at The 2021 ICPC National Vietnam Contest	2022
Top 62nd at Facebook Hacker Cup 2021 	2021

Publications

(* = Equal Contribution)

Instance-Aware Generalized Referring Expression Segmentation  <u>E-Ro Nguyen</u> , Hieu Le, Dimitris Samaras, Michael Ryoo	[In Submission]
Vision-Aware Text Features in Referring Image Segmentation: From Object Understanding to Context Understanding  Truong-Hai Nguyen*, <u>E-Ro Nguyen</u> *, Tuan-Anh Vu, Binh-Son Hua, Minh-Triet Tran, Sai-Kit Yeung	[WACV'25]
V-FIRST 2.0: Video Event Retrieval with Flexible Textual-Visual Intermediary  Nhat Hoang-Xuan, <u>E-Ro Nguyen</u> , Thang-Long Nguyen-Ho, Minh-Khoi Pham, ..., Minh-Triet Tran	[MMM'23]
Visual-Language Transformer for Referring Video Object Segmentation  <u>E-Ro Nguyen</u> , Nhat Hoang-Xuan, Minh-Triet Tran	[CVPRW'22]
Flexible Interactive Retrieval SysTEM 3.0 for Visual Lifelog Exploration  Nhat Hoang-Xuan, Hoang-Phuc Trang-Trung, <u>E-Ro Nguyen</u> , Thanh-Cong Le, Minh-Triet Tran	[ICMR'22]
Attention-based Hierarchical Fusion Network for Predicting Media Memorability  <u>E-Ro Nguyen</u> , Hai-Dang Huynh-Lam, Hai-Dang Nguyen, Minh-Triet Tran	[MediaEval'21]
PointRend with Attention Fusion Refinement for Polyps Segmentation  <u>E-Ro Nguyen</u> , Hai-Dang Nguyen, Minh-Triet Tran	[MediaEval'21]
Video Object Segmentation with Memory Augmentation and Multi-Pass Approach  The-Anh Vu-Le, Hong-Hanh, <u>E-Ro Nguyen</u> , Minh-Triet Tran	[CVPRW'20]

Other Awards

CS Research Assistantship @ Stony Brook University, NY, USA	2024
First Prize @ Student Scientific Research Award(EURÉKA)	2022
First Prize @ The 2021 Ho Chi Minh City AI-Challenge	2021
Excellent Student in Artificial Intelligence @ Ho Chi Minh City, Vietnam	2020
Fourth & Sixth Place @ The 2020 DAVIS Challenge on Video Object Segmentation	2020
Scholarship for Excellent Student - University of Science - VNUHCM	2020
Sixth Place @ The 2020 ICPC Asia Cantho Regional Contest	2020
Bronze Medal @ The 2020 ICPC Asia Danang Regional Contest	2020
Fourth Prize @ The 2019 Samsung Collegiate Programming Cup	2019
Bronze Medal @ The 2020 ICPC Asia Hanoi Regional Contest	2018
Bronze Medal @ The 2020 ICPC Asia Yangon Regional Contest	2018
Represented Vietnam @ Asia-Pacific Informatics Olympiad (APIO), Russia	2018

Skills

- > **Programming Languages:** Python, C/C++
- > **Developer Tools:** Git/Github, Docker, Jupyter Notebook
- > **Frameworks/Library:** PyTorch, OpenCV, Numpy, FastAPI, Flask, Gradio

References

Michael Ryoo <i>SUNY Empire Innovation Associate Professor, Stony Brook University</i>	mryoo@cs.stonybrook.edu
Dimitris Samaras <i>SUNY Empire Innovation Professor, Stony Brook University</i>	samaras@cs.stonybrook.edu