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EDUCATION

University of Virginia, Charlottesville, VA
Bachelor of Arts in Computer Science (intended) *August 2025 - May 2029*

- Relevant Coursework: COMM 1800, ECON 2010, CS 2100
- SAT: 1550/1600 (Math: 790, Verbal: 760)

Pho Thong Nang Khieu High School for the Gifted (PTNK), Ho Chi Minh City, Vietnam
High School Diploma *August 2022 - May 2025*

- GPA: 9.5/10
- ASEAN Scholarship recipient

EXPERIENCE

Golden Hearts Organization, Ho Chi Minh City, Vietnam
Founder *August 2023 - July 2025*

- Founded a high school organization dedicated to supporting underprivileged elders at Vinh Son nursing home
- Coordinated with Vinh Son nurses to monitor residents’ mental acuity and well-being
- Managed logistics, volunteer arrangement, and community outreach

Veritas AI Research Program, United States
Researcher *August 2023 - June 2025*

- Analyze electrocardiogram (EEG) data leveraging MNE, a widely-used software for processing neurophysiological data
- Develop a machine learning model using EEG data to classify different emotional states using a multi-scale convolutional network based on brain’s prefrontal cortex
- Publish a 12,000-word research paper on how to use multi-scale convolutional neural networks to detect emotions in cognitively impaired patients

La Thu Project, Ho Chi Minh City, Vietnam
Founder *June 2024 - May 2025*

- Founded a music-based initiative to inspire and uplift pediatric patients at Nhi Dong 1 Pediatric Hospital
- Facilitated biweekly performances at Nhi Dong 1 Pediatric Hospital
- Organized a Mid-Autumn Festival charity concert, raising over VND 20,000,000 to construct libraries for hospital’s young patients

Brain Bee Vietnam, Vietnam
Head of Logistics *August 2023 - August 2024*

- Partnered with 8 Vietnamese universities and different organizations including Saigon Psychub and PTNK Steam Club
- Invited neuroscientists and professors from leading Vietnam universities to be judges and prepared training workshops for participants
- Secured corporate sponsorship for cash prizes and contacted service providers and vendors to secure venue and provide food

The Conrad Challenge, United States
Technical Team *August 2023 - February 2024*

- Developed HydroScoop, a renewable-powered system to maintain the Ho Chi Minh City's sewage system
- Designed and built product website: <https://ductrl.github.io/HydroScoop/>
- Reached final round in Energy & Environment division

Hack the Classroom Hackathon, Online
Participant *September 2023*

- Applied HTML, CSS, and JavaScript knowledge to develop Pomate, a study assistance application integrating self-studying tools

Informatics Olympiad 2023, Vietnam
Gold Medalist *March 2023*

- Competed in regional programming competition held annually with more than 2,000 students from 63 provinces/cities
- Awarded gold medal for the Specialized High School category

TECHNICAL SKILLS

- Programming Languages: Python | C++ | Java | JavaScript | HTML & CSS
- Web Development, AI/ML (TensorFlow, PyTorch, scikit-learn), Data Analysis (Pandas)

HOBBIES AND INTERESTS

- Interests: Strategy games, sketch, music (drums, guitar, ukulele), basketball