

## Hai Linh Tran

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### Education

#### University of Northampton

Northampton, United Kingdom

Bsc Software Engineering (Honours), on track for first-class honours

2023 - 2026

*Relevant Coursework:* Computer Systems, Problem Solving and Programming,

Software Engineering Fundamentals, Web Development, Databases Design & Development

*Honors:* 30% Scholarship for Engineering major

#### Foreign Language Specialized School

Hanoi, Vietnam

*Honors:*

2020 - 2023

Good Student Awards

SAT Math 780/800 (Top 1% SAT Test-takers)

Deutsches Sprachdiplom DSD II (German Level B2 - C1)

*Awards:*

Gold Medal | AI-JAM US (Early diagnosis of brain tumors using image processing artificial intelligence application)

Third Prize | Mini Hackathon for Good Causes organized by American Center, U.S. Embassy Hanoi

Third Prize | Scientific Research and Application contest of Science Fair

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### Experience

#### STEAM for Vietnam | *Hackathon Judge Assistant*

08/2023

- Worked closely with judges and mentors to evaluate 7 teams with different technology projects, interviewed them, and noted answers to support judges in grading teams.
- Took on responsibilities for evaluation documents, including scorecards, evaluation criteria and necessary documents for the evaluation process.
- Coordinated with the event organizers to synthesize and complete scoring results accurately and effectively.
- Supported pre-event preparation, assisted in registration, coordinated participants, and troubleshooted problems during the hackathon.

#### MICA institute, HUST led by Dr. Bui Hai Phong | *Research Assistant*

05 - 09/2022

- Link research paper: [Improve the performance of license plate detection using deep neural networks on diverse datasets](#)
- Implemented advanced deep neural networks are employed to detect LPs accurately.
- Proposed strategies of the deployment and testing of the deep neural networks on various hardware platforms to improve the inference time of LP detection.
- Performed the evaluation on two public datasets (Vietnamese license plate detection and Kaggle datasets).
- Trained model on Google Collab, used Tensorflow to create the algorithm and run it on the Vim3 NPU embedded computer.

#### Gart Robotics Camp | *Head of Logistics*

03 - 08/2022

- Planned and coordinated an event sponsored by and organized in The American Center, U.S. Embassy.
- Effectively worked, communicated and partnered with U.S Embassy.
- Managed finances and prepared budget estimates, grant proposal that received about 1 million USD sponsorship.
- Organised teaching sessions for 35 students, introducing them to LEGO Mindstorms EV3 and cultivating their passion for STEM education and robotics.
- Led 15 members in logistics department.
- Received coverage in 2 national television programs: "Now and Here" on VTV2 and "Morning Cafe" on VTV3.

#### POWER UP Vietnam | *Vice Head of Organisation*

11/2021 - 06/2022

- Collaborated with Kidscode STEM Academy and STEM Education Development Joint Stock Company.
- Successfully organized and facilitated online teaching activities about STEM at 6 schools in mountainous provinces

in Vietnam: Primary and Secondary Schools in Mù Cang Chải, Than Uyên, Sơn Thịnh, and Văn Chấn.

- Received coverage in 4 national articles: Viet Nam Television VTV2, Thanh Niên Việt, VOV World, and Báo Khoa học Phát triển, highlighting the impactful work and contributions made.
- Demonstrated strong leadership skills by effectively coordinating and managing teams to ensure the smooth execution of projects and activities.
- Developed and implemented strategies to promote STEM education and engage students in interactive and meaningful learning experiences.

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#### **HomeUp Heroes Project | *Head of Human Resources***

05/2021 - 2022

- Led a team of 50+ members.
- Organised and executed 3 impactful charity programs: art journal competition, fundraising event, and volunteer trip
- Demonstrated strong leadership skills by effectively coordinating team members, delegating tasks, and ensuring timely completion of project milestones.
- Implemented efficient project management strategies, resulting in the successful completion of all programs within established timelines.
- Actively participated in team meetings and provided valuable insights and suggestions to improve project outcomes and enhance team performance.

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### **Volunteer Experience**

#### **Phu Tho General Hospital**

10/2022

- Donated books and food supplies to support the hospital's initiatives.
- Built a charity bookcase, creating a resource for patients and their families to access reading materials during their stay.

#### **Ta Phin Boarding School for Ethnic Minorities**

01/2022

- Organised teaching sessions for students about basic computer and programming knowledge, child marriage and gender equality.
- Delivered engaging educational materials to underprivileged children, promoting digital literacy and empowering them with valuable skills.

#### **Phuc Luong Primary & Secondary School**

12/2021

- Executed successful charity activities, raising funds to support 500+ students.
- Engaged in volunteer to donate books and essential supplies for the children.
- Coordinated logistics and managed volunteers.

#### **Thuy An Rehabilitation Center for People with Disabilities**

05/2021

- Donated essential supplies of food and necessities, providing support and assistance to children and patients undergoing treatment.
- Engaged with children and patients, offering companionship and emotional support during their rehabilitation journey.

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### **Skills & Interests**

**Programming:** Python, C/C++, Javascript, CSS/HTML, SQL

**Technical:** Arduino microcontrollers & electronics, SAP Analytics Cloud, Website Coding

**Language:** English, German