

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

Experience

STEM Learning / *STEM Ambassador*

03/2024 - Present

- Organized and facilitated a 2-hour "K-nex bridge building" workshop at Northamptonshire Central Library, engaging nearly 20 children aged 5-7 years old in practical STEM activities
- Served as a judge for the Young Coders Competition 2024, evaluating and providing constructive feedback on Scratch game projects of 100 participants aged 7-14 years old
- Collaborated with schools, libraries, and community organizations to organize and facilitate engaging STEM events
- Demonstrated excellent communication and presentation skills to deliver learning materials

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.

Etracurricular**The Vietnamese Student Association in the UK | *Event Coordinator***

01/2024 - Present

- Successfully coordinated and executed the annual "Leader Camp" event, bringing together over 100 Vietnamese students from universities across the UK. The event aimed to help students learn and explore their potential leadership capabilities.
- * Organized the annual "SVUK Cup" football tournament, bringing together Vietnamese societies from across the UK for a day of friendly competition and community building.
- Served as the backstage manager for the "A Love Letter to..." show, overseeing all aspects of production and ensuring a memorable experience for the audience.
- Generated creative ideas and developed event timelines, effectively planning and executing various activities and programs.

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.

Skills & Interests**Programming:** Python, C/C++, Javascript, CSS/HTML, SQL**Technical:** Arduino microcontrollers & electronics, SAP Analytics Cloud, Website Coding**Language:** English, German