

VU ANH LE

Box 1091, Beloit College Mail Center, 700 College Street • Beloit, Wisconsin 53511 • csplevuanh@gmail.com
[\[Personal Website\]](#) • [\[LinkedIn\]](#) • [\[ORCID\]](#)

EDUCATION

Beloit College

Beloit, WI

Bachelor of Science, Mathematics

Aug 2021 - May 2025

Relevant Coursework: Discrete Mathematics, Linear Algebra, Mathematical Statistics, Differential Equations, Complex Analysis, Object-oriented Programming, Data Structures and Algorithms, Mathematics Colloquium

SKILLS & INTERESTS

Programming and Software: Programming (Python, MATLAB, R), Machine Learning (TensorFlow, PyTorch), Data Analysis (Pandas, NumPy)

Technical Expertise: Numerical Methods, Differential Equations, Remote Sensing (QGIS, ArcGIS)

Interests: Physics-Informed AI, Evidence-Based Decision-Making, Environmental Sustainability

WORK EXPERIENCE

Google Research

Remote

Research Intern

Aug 2024 - Present

- Developed a mathematical framework for analyzing the behaviors of neural operators. This framework provides theoretical guarantees on stability, exponential convergence, and generalization.
- Applied the proposed framework in designing a case study model for solving complex partial differential equations. Compared with the state-of-the-art works, it achieves 93% accuracy with 15% fewer training epochs.

Massachusetts Institute of Technology

Cambridge, MA

Research Assistant, Department of Nuclear Science and Engineering

Aug 2023 - Present

- Integrated two machine learning models (i.e., Random Forest and Bidirectional LSTM models) in the contaminant monitoring software for nuclear material safety supervision.
- Achieved 97.7% accuracy in predicting the time taken for nuclear analyte concentration to drop to safety levels.

Vietnam's Ministry of Natural Resources and Environment

Hanoi, Vietnam

Research Assistant and Compliance Reporter, Remote Sensing Department

April 2020 - Present

- Adopted SAR data and interferometric processing to monitor human-induced land deformation, achieving a 1-meter resolution accuracy in generated maps.
- Presented the results to the government and National Assembly on the effects of the deformation processes, hydroelectric power, and mining operations.

ADDITIONAL EXPERIENCE

Legal Initiatives for Vietnam

Remote

Paralegal Assistant

Dec 2023 - Present

- Conduct legal research on the current political strategies and policies implemented by Vietnamese authorities.
- Publish opinions on critical political issues via the affiliated newspaper "Luat Khoa Tap Chi".

Beloit Math and CS Club

Beloit, WI

Co-founder and President

Aug 2021 - May 2023

- Updated students on field-related opportunities such as research projects, internships, and employment.
- Set preparatory sessions for undergraduate competitions like the Mathematical Contest in Modeling and Putnam