

THANH TRINH

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EDUCATION

GEORGIA INSTITUTE OF TECHNOLOGY

Aug 2022 – Present

B.S. Computer Science: Info Internetworks and Systems & Architecture + Honors Program
Relevant Course: Object-Oriented Programming, Linear Algebra, Data Structures & Algorithms

LAKE FOREST ACADEMY

Aug 2019 – May 2022

High School

GPA: 4.08/4.3

- Cum Laude – Top seniors with highest GPA in the school
- Ainsworth Award – Senior with most contribution to Math Department
- Meritorious Award - High School Mathematical Contest in Modeling 2020
- First Prize - Ho Chi Minh City Mathematical Competition 2019

PROFESSIONAL

One Punch Technologies LLC

CHICAGO, IL

Smart Contract Developer

May 2022 – July 2022

- Analyzed and transformed a Solidity smart contract with the ideas of demurrage tokens into COSMWASM contract written in Rust.
- Integrated the COSMWASM contract into Express Server for a community currency wallet app utilizing CosmJS.
- Advised on integration of IXO alpha bonds or bonding curve to model a donor's potential impact on the community currency.

PROJECT

Ward Tester

LAKE FOREST, IL

Individual Developer

Jan 2022– Present

- Developed Flutter and Dart [mobile app](#) for my high school that allows students to practice their AP Exams, including Statistics, Computer Science A, Computer Science Principles, which can be extended to other new subjects.
- Questions can be modified, added, and customized with randomization feature by teachers through test writer, allowing students to practice similar question with different numbers and get graded automatically.
- All question set are managed through Back4App server and can be automatically downloaded and updated on user app whenever a teacher publishes a new version.

Trash Classification

June 2021 – Aug 2021

Research Program

- Developed a waste images classification model based on Kaggle dataset through finetuning a ResNet-50 model. Improved the model with transfer learning, adding data augmentation and unfreezing network layers.
- Model achieved an accuracy of nearly 94.20% in the dataset with nearly 2500 waste materials images of six different classes.
- Conducted research paper analyzing methodology, identifying ways to improve, and finding problems within current the dataset.

LEADERSHIP EXPERIENCE

Vietnam Code Arena

Ho Chi Minh City, Vietnam

Founder & Instructors

April 2021 – Aug 2021

- Founded a free online coding summer program for beginners with around 150 students from around Vietnam.
- Developed curriculums for JAVA Object Oriented Programming and Python Courses.
- Led and instructed two of five different classes.
- Invited experienced guest speakers to share experiences in respective fields, such as Machine Learning, Data Science, and Competitive Program.

SKILL

LANGUAGES: English, Vietnamese, Chinese (elementary)

TECHNICAL SKILLS: Solidity, C++, Python, TensorFlow, Keras, Java, JavaScript, NodeJS, ExpressJS, Flutter, Dart, Rust, and CosmJS.