

# THANH TRINH

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## EDUCATION

**GEORGIA INSTITUTE OF TECHNOLOGY**- Major GPA: 4/4

*Aug 2022 – Present*

B.S. Computer Science: Info Internetworks and Systems & Architecture + Honors Program

- Relevant Course: Object-Oriented Programming, Linear Algebra, Data Structures & Algorithms

Club: Member in Dev Committee Blockchain@GT

- First place in Solidity Sprint Track in Web3ATL hackathon.

**LAKE FOREST ACADEMY** - GPA: 4.08/4.3

*Aug 2019 – May 2022*

- 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 an admin app with Firestore, 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.
- Over 100 students at Lake Forest Academy in AP Statistics and Computer Science are using as daily practice.

**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.

**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

**Programming Languages:** Solidity, C++, Python, Java, JavaScript, Dart, Rust.

**Framework/Tools:** TensorFlow, Keras, NodeJS, ExpressJS, Flutter, MongoDB, Firebase, Hardhat