

Yicheng(Nathan) Luo
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EDUCATION

University at Buffalo. The State University of New York

Bachelor of Engineering, Computer Science (Cum Laude, Dean's List)

August 2024

GPA: 3.3/4.00

SKILLS

Programming Languages: Python, Typescript, Javascript, C++, Rust, Solidity, Yul, Huff

Web&Dapp Dev: Flask, Node.js, Next.js, React.js, Foundry, Hardhat, Ethers.js, Web3.js, MongoDB, PostgreSQL, Solana

Other Tools: OpenZeppelin, Chainlink, TensorFlow, Pandas, Numpy, scikit-learn, Git, AWS, Docker, Uniswap(V2, V3, V4), Curve

PROFESSIONAL EXPERIENCE

BlockChain & AI Development, LN Compute (Atlanta, GA)

Blockchain Engineer (Solidity, Huff, Yul, Typescript, Next.js, React.js, Node.js) April 2025 - Present

- Analyzed end-to-end bonded goods logistics for a French wine duty-free group using **Excel** and **SQL** to identify inefficiencies in customs paperwork, warehouse tracking, and cross-border compliance.
- Designed a blockchain-based solution with **Solidity**, **Ethers.js**, **Next.js**, and **Node.js** to digitize customs entries and enable real-time tracking of bonded goods across manufacturers, ports, bonded carriers, and duty-free shops.
- Developed a permissioned blockchain architecture using **Solidity**, **Huff**, and **Yul** in **Foundry** to ensure regulatory compliance with HMRC while maintaining immutable audit trails for item-level traceability.

Research & Development, Corey Copani (Cicero, NY)

AI Development Intern (Python3, Tensorflow, Pandas, Numpy, Flask)

June 2024 - August 2024

- Preprocessed training and testing datasets using **Pandas**, **NumPy**, and **R**, ensuring data quality and readiness for deep learning workflows.
- Designed and implemented a Convolutional Neural Network (CNN) using **Python** and **TensorFlow** to generate 3D models from 2D image inputs.
- Built and deployed a RESTful backend with **Flask (Python)** to serve model predictions and support frontend integration for 3D model rendering.

PROJECT EXPERIENCE

[Decentralized StableCoin \(DSC\) DeFi Protocol](#) & [Next.js Backend](#)

July 2025

- Built a dollar-pegged, algorithmic stablecoin (wETH/wBTC collateral) with Solidity smart contracts (Foundry) and a Next.js backend exposing RESTful APIs for integrations.

[AI-Powered NFT Generation Chatbot](#) (ETHGlobal Hackathon 2025)

Aug 2025

- Built a Web3 application with Next.js, TypeScript, and Solidity smart contracts for AI-driven NFT minting, integrating decentralized storage via Walrus (NFT metadata + URL retrieval) and OpenSea for NFT listing and saving.