

ELIJAH NG

Full Stack Machine Learning Engineer

CONTACT

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PROFILE

A software engineer with strong fundamentals and a wide repertoire of skills, I have a proven record of jumping off the deep end and thriving. My journey as an indie developer has honed not just my ability to work across the stack but also build with a user-first, analytics driven mindset.

I am motivated by environments that encourage creative (sometimes janky) problem solving, wearing many hats, and having to learn new things.

SKILLS

Math Modelling

Deep Learning (*PyTorch*)

Data Engineering

React + Next.js + Firebase

ChakraUI + Framer

Product Management

EXPERIENCE

Indie Developer and Freelancer

2022-Present

Took up projects in financial modelling, generative AI, and crypto while experimenting with my own products. Highlights:

- Halved the VRAM requirements for dreambooth (image gen) from 24GB, cutting training costs by 35% for drawanyone.com

- Setup the backtesting framework for a crypto index fund.

Curated a dataset of over two thousand tokens across the last decade. Code was audited with zero issues.

- Developed a verifiably random lottery Dapp.

- Built degencyptojobs.com which now has 5K monthly visits.

Cofounder @ MarinaChain

2022-2022

Built a data analytics tool to estimate the carbon emissions of Maritime vessels based on satellite and ship spec data.

AI Engineer & Tech Lead @ MindPointEye

2021-2022

Rapidly advanced from junior to leading the AI and analytics teams by initiating the development of multiple in-house solutions to productize our edge-deployed object-detection models, including semi-supervised data labelling, model optimization tooling, and improved training algorithms.

EDUCATION

National University of

Singapore

2017-2021

Majored in Engineering

Science with a double

specialization in

computation &

medicine. Minor in CS.

A- Median Grade.

University of Toronto

2020

University exchange

ACTIVITIES

ETHTokyo 2023: #1 Winner for Best Dashboard: Built an analytics dashboard for Fusion Swap. Had to pivot into it solo with less than 16 hours left.

ETHGlobal 2022: Picked up solidity and built a composable NFT standard with royalty splitting.

FAILED PROJECTS

undertherocknews.com: An LLM-powered news filter that does not send daily/weekly news, but only when there's something worth reading.

Metaverse-centric NFT marketplace: started with metaverse discovery features, tried to end with an NFT marketplace for metaverse wearables. Was the main motivation for experimenting with royalty splitting.

Wearable heart stroke volume sensor: a bioimpedance based sensor that would be worn on the wrist (and embedded into a smart watch). Required the application of an uncomfortable amount of electrical current through the skin to be functional.