

Douglas Bing-Han Yang

dyang@college.harvard.edu • (347) 405-3818

Education

HARVARD UNIVERSITY

Computer Science and Statistics. GPA: 3.7.

Relevant Coursework: Data structures and Algorithms (Spring 2022), Discrete Mathematics for Computer Science (Spring 2023), Machine Learning (Spring 2023), Computational Abstraction (Spring 2023), Probability (Fall 2022).

Cambridge, MA

June 2025

PHILLIPS ACADEMY ANDOVER

Graduated with academic distinction.

Regional Silver Award in the S.T Yau Science Award for original math magic research. Varsity cross country and water polo.

Andover, MA

June 2020

Experiences

AEGIS (www.aegisprotocol.io)

Head of Engineering

Cambridge, MA

February 2023 – Present

Aegis is a decentralized consumer protection protocol to build trust in Web3, supported by Algorand, LBank Labs, and Polkadot.

- Architected and engineered the entire stack using Node.js, Express, MongoDB, and Solidity.
- Independently designed, built, and shipped 20+ production APIs with Node.js, rigorously testing them with Jest.
- Deployed and wrote 5+ smart contracts securing live transactions, and established frontends with Ethers.js.
- Led engineering for the product to win two major crypto hackathons and develop a battle-tested demo within under 3 months.

FIGUR8 Inc

Software Engineer Intern

Boston, MA

May - July 2022

Figur8 is a startup that pioneered the first wearable musculoskeletal assessment technology.

- Used K6 to load test three core APIs within Figur8's backend infrastructure, measuring latency and failure rate by adjusting the number of virtual user throughput and reducing latency by 50% for 1000+ users.
- Conducted extensive backend debugging, testing, and refactoring for more than 5000 lines of code, working with Python and Amazon Web Services.

FLUTTER (www.theappflutter.com)

Chief Technology Officer

Cambridge, MA

December 2021 – November 2022

Flutter is a date-scheduling and discounts app, designed to encourage intentionality and organic interaction in online dating.

- Independently architected and built the full stack using Firebase and React Native.
- Built and launched the production app in 3 months, garnering 300+ users in the first month of launch.

EQONEX

Software Engineer and Product Development Intern

Hong Kong

April – August 2021

Eqonex is the first NASDAQ-listed cryptocurrency exchange, with a licensed digital asset custody.

- Used Python, Flask and Apache Kafka to create a gamification program that drove retail user growth by +20%.
- Revamped the crypto exchange interface by refactoring over 2000 lines of React code, increasing customer satisfaction by 15%.

Leadership & Activities

HARVARD PRODUCT LAB

Director of Tech, Director of Content, and Case Team Lead

Cambridge, MA

November 2021 – Present

Selected to manage the tech stack of the organization and create content on topics about product management and software engineering; Selected to lead a team of 5 to conduct product research and feature recommendations for leading US tech companies.

PEER2PEER FOUNDATION (www.peer2peer.hk)

Founder and Executive Chairman

Hong Kong

May 2020 – Present

Founded a nonprofit peer-to-peer mentorship program for Hong Kong secondary students and led a team of over 60 students to serve over 200 student mentees. Piloted recruiting, established operations structure, and built connections with over 10 local schools from scratch. Featured on the Hong Kong Economic Times, HoneyCombers Magazine, and the Pui Ching Middle School English Press.

Skills & Interests

Technical: Languages: Python, Java, OCaml, JavaScript, Solidity. Frameworks: Node.js, Express, React, Flask, Jest

Language: English, Mandarin, and Cantonese.

Personal: US Citizen, born in Hong Kong. Beatboxer for the Harvard Lowkeys. Recognized Violinist. Terrible Golfer.