Marc Teo Ong

mrc.teoong@gmail.com | mjto.dev | linkedin.com/in/mteoong

EDUCATION

University of California, Berkeley | B.A. in Computer Science | 3.6 Major GPA **2020 - 2024**
Cornell University | M.Eng in Computer Science **2026 - 2027**

WORK EXPERIENCE

E-Bus Fleet Charging Optimizer, Fullstack Developer **September 2026 – Present**

- Built a time-indexed REST API (Django, PostgreSQL) that turns simulation outputs into minute-by-minute bus status, SOC, and station load across 120 U.S. transit systems.
- Redesigned the frontend and added an interactive fleet map with simulation playback, animating buses along any city's GTFS route geometry by status and SOC (React, Leaflet).

Ascend, Fullstack Developer **September 2026 – Present**

- Built a reorg-safe blockchain indexer on Cloudflare Workers, D1, and Durable Objects, using fenced writes and atomic cursor updates to serve consistent, paginated market data. Earned $430,000 in fees within the first week of pre-launch.
- Designed a crash-safe transaction service for automated fee collection and conversion, persisting signed transactions before broadcast to prevent duplicates and enforcing nonce coordination and gas budgets.

Frontrun Pro, Product Engineer **October 2025 – April 2026**

- Developed latency optimized trade execution features for chrome extension used by 80k+ traders. Exceeded 500k in daily trading volume within the first 2 months of release and doubled the number of user downloads.
- Designed and built a standalone NestJS backend service that coordinated with the main production backend through a shared database and Redis-backed BullMQ queue.
- Built a WebSocket gateway streaming on-chain token data via room-based subscriptions. Parallelized lookups for a 50x speedup and used a shared connection with reference-counting to avoid duplicate connections across tabs.

Encrypto, Founding Engineer **August 2025 – October 2025**

- Built a zero-to-one MVP for a crypto debit card enabling real-world spending of digital assets, composed of a Next.js frontend and a FastAPI backend on Supabase.
- Designed the database schema and built REST API endpoints integrated with a third-party payments provider via webhooks, and implemented authentication through Privy.
- Secured $50,000 in funding as a BTCfi & Payments Fellow backed by Sui Foundation and Press Start Capital.

Sigma Prime, Blockchain Security and Research Intern **June 2022 – Aug 2022**

- Audited Ethereum based smart contracts for clients such as Sushi Swap, Rocketpool, and Near. Researched vulnerabilities and optimized gas efficiency.

Independent Smart Contract Developer and Security Auditor **January 2022 – May 2023**

- Conducted 10 competitive smart-contract audits on Code4rena and Sherlock, identifying vulnerabilities in protocols such as Blur, Quickswap, and Y2k finance.
- Launched 8 NFT projects that grossed over $180,000 in total sales and $600,000 in cumulative trading volume.

PROJECTS

Annie's Candy Operations and Logistics Platform **Fall 2026**

- Built a custom operations platform for a Philippine confectionery manufacturer with ~$20M in annual sales, digitizing the order-to-delivery workflow from order entry and inventory tracking to truck assignment, fulfillment, and dispatch.
- Designed data models for product formats, stock availability, and outstanding quantities, enabling teams to coordinate deliveries of more than 7,000 cases per day.

StorysDAO - Monad Moltiverse Hackathon Winner ($10,000 prize) **Spring 2026**

- Built a browser-based 3D game engine with procedurally generated voxel worlds from natural-language prompts and a marketplace where purchased items persist to inventory and render as 3D models in-game.
- Deployed an ERC-20 token on Monad testnet with wallet integration via wagmi, viem, and RainbowKit.

SKILLS & INTERESTS

- **Languages:** Typescript, JavaScript, HTML/CSS, Java, Python, C, Go, Rust, Solidity, SQL, Pinescript
- **Technologies & Frameworks:** React, Next.js, AWS, Cloudflare, Redux, jQuery, Node, NestJS, Django, Redis