

JONATHAN CHEN

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EDUCATION

University of California, Santa Barbara

Bachelor of Science in Computer Science

Honors: Glen Culler Scholarship, Dean's Honor

2020 - 2024

GPA: 3.6

EXPERIENCE

C3 AI via Paradyne

Software Engineer

August 2024 - Present

- Developed full-stack features for a web application managing distributed, cross-unit intel collection systems for the U.S. Army with capabilities of running in air-gapped on-prem and edge environments
- Built an intuitive, responsive React frontend with real-time updates via React Query and WebSockets, streamlining data visualization in a centralized dashboard, and improving communication and decision-making among stakeholders
- Designed and implemented secure RESTful API endpoints for importing/exporting sensitive, mission-critical data across environments deployed nation-wide in Python and Javascript, reducing processing time by 37%
- Designed and developed a logging system to track all app usages, including frequency, duration, activities, and users; built user-friendly features to easily monitor these metrics and export them into text files.

Scale AI

Software Engineer

March 2024 - June 2024

- Developed automation evaluation tools leveraging Natural Language Processing (NLP) techniques and Python, enhancing model assessment efficiency for large-scale AI systems
- Optimized data processing pipelines, streamlining quality assurance workflows and accelerating issue resolution across AI-driven applications

[Continuum](#)

Co-Founder, Full Stack Developer

November 2023 - February 2024

- Developed and deployed an ERC20 token using Solidity for a decentralized cryptocurrency index fund, simplifying diversified crypto investments
- Automated off-chain operations with TypeScript, executing smart contract transactions across multiple EVM blockchains to manage a portfolio of 10+ digital assets
- Built an interactive, Web3-integrated platform using React and TypeScript, enabling seamless user transactions through Metamask and on-chain interactions

PROJECTS

trigo

Swift, Node JS

- Mobile peer-to-peer, cross-border purchasing platform that connects buyers in Taiwan with travelers abroad to make goods and products available at a more accessible price point
- Built an iOS MVP using SwiftUI and Firebase that features real-time product listings, a unified buyer-seller UI, secure transaction flows, and Firebase authentication for seamless and secure user management

University Marketplace

React Native, Javascript, Firebase

- Developed a mobile, cross platform application for a secure university marketplace that protects users against the risk of online shopping scams

Happy Cow

React, Java, Spring Boot, PostgreSQL

- Led a team of five student researchers to develop & maintain UCSB's undergraduate course platform
- Delivered a high-demand feature enabling professors to access and review applications with administrative privileges

SKILLS

Coding & Technical Skills

- Python, Java, C++, JavaScript, TypeScript, Solidity, Go, Rust, Swift
- Git, Firebase, React, React Native, AWS, Node JS, TensorFlow, PyTorch, SQL

Languages

- English, Mandarin Chinese

ACTIVITIES

[UCSB Blockchain Club](#)

Executive Board Member | Head of Research

- Led research for the club, collaborated with industry experts, including the former Chief Research Officer of ChainLink
- Delivered lectures on blockchain fundamentals and Solidity smart contract development to over 200 students

INTEREST

- Cryptocurrency/NFT Trading | Blockchain Protocol Research | Content Creation | Ecommerce | Startups