

JONATHAN CHEN

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EDUCATION

University of California, Santa Barbara

2020 - 2024

Bachelor of Science in Computer Science

GPA: 3.6

Honors: Glen Culler Scholarship, Dean's Honor

Relevant Coursework: Data Structures & Algorithms, Operating Systems, Distributed Systems, Database Management, Machine Learning, Natural Language Processing, Object Oriented Design, Blockchain and Distributed System

EXPERIENCE

C3 AI via Paradyne

Full Stack Software Engineer

August 2024 - Present

- Developed a sophisticated web application for the U.S. Army, optimizing collection management processes
- Architected a cross-application communication system using Node.js and C3 type system
- Designed and implemented secure RESTful API endpoints
- Built responsive React frontend interfaces for managing complex data workflows and system configurations
- Developed automation scripts for data import/export between applications, reducing processing time by 37%
- Boosted test coverage by 11% within one month through comprehensive unit testing and PSR test suite development
- Led Agile ceremonies (standups, retrospectives, planning) for a cross-functional team of 11 engineers

Scale AI

Software Engineer

March 2024 - June 2024

- Developed sophisticated automation evaluation tools utilizing Natural Language Processing (NLP) techniques and Python scripting
- Implemented 2 ML models testing frameworks with TensorFlow and PyTorch, improving code validation efficiency
- Collaborated with team members to optimize testing pipelines and enhance code quality

Continuum

Co-Founder, Full Stack Developer

November 2023 - February 2024

- Engineered an ERC20 token using Solidity for a cryptocurrency index fund, simplifying cryptocurrency investments
- Employed TypeScript scripts for off-chain automation, deploying smart contracts across multiple EVM blockchains to manage a diverse cryptocurrency portfolio of over 10 assets, enhancing fund rebalancing efficiency
- Designed and deployed an interactive frontend platform with React and TypeScript, integrating Metamask for seamless user engagement

PROJECTS

University Marketplace

React Native, Javascript, Firebase

- Developed a mobile application for a secure university marketplace, reducing the risk of online shopping scams
- Implemented secure user authentication and real-time database operations
- Designed RESTful APIs supporting cross-platform IOS applications

Happy Cow

React, Java, Spring Boot, PostgreSQL

- Led development of production features for UCSB undergraduate course platform
- Shipped feature that allowed professors to view the applications as admin role, improving the efficiency of the app

Web3 Job Board

Python, React, Firebase

- Designed and developed a job board focused on entry-level and internship opportunities within the blockchain space
- Actively collaborating with Web3 startups to facilitate recruitment from universities, bringing students into the space

SKILLS

Coding and Technical Skills

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

Languages

- English, Mandarin Chinese

ACTIVITIES

Blockchain Club

Executive Board Member | Head of Research

- Led research initiatives for the club, collaborating 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.

INTERESTS

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