

# Alejandro Ochoa

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## PROFESSIONAL EXPERIENCE

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### Pareme

**Lead Protocol Researcher | Lead Developer** | Blockchain, Golang, TCP, LevelDB, HTTPS, React-Vite | Jan 2025 - Present

- Researched PoW chains and identified needed improvement in the fragmented hash rates of their ecosystems.
- Developed and launched Pareme as a parent PoW blockchain in Go to facilitate merge mining consolidation, optimizing security and resource efficiency across networks.
- Engineered the mining logic, TCP networking, peer discovery, and file management with minimal dependencies.
- Designed pointer-based storage enabling O(1) discovery of block data, optimizing performance/scalability.
- Created a React front-end [website](#) that contains a chain explorer (via HTTPS API) and community forum.

### Metal Seeds LLC

**CEO** | Cryptography, CAD Design, Vector-Imaging, Laser-etching, Wordpress, BTCPay, Square | August 2024 - May 2025

- Founded Metal Seeds LLC, designing and manufacturing metal seed phrase plates for secure cryptocurrency storage.
- Configured and managed a VPS to host a cryptocurrency payment processing system, enabling secure, seamless transactions for customers.
- Developed plate designs using CAD software, collaborating with local metalworkers for precision cutting, and performed sanding, preparation, and laser etching with custom vector graphics using EZCad software.

### Ochoa's Mobile Notary

**Sole Proprietor** | Wordpress, HTML, CSS, JS, PHP, MySQL, API | May 2023 - May 2024

- Established a local notary service, notarizing critical documents, including the official declaration of candidacy for a presidential candidate and VP with 500,000 votes.
- Built a WordPress-based website using HTML, JS, and CSS to create an online presence for notary services.
- Developed a custom appointment scheduling system in PHP, leveraging MySQL to store appointment data and Google Maps API to calculate optimal appointment times based on customer locations and existing bookings.

### JPMorgan Chase Bank, N.A

**Relationship Banker** | Series 6 & 63, SIE, Life License, Notary, BSA, AML, OFAC | May 2022 - May 2023

- As Manager on Duty (MOD), applied Series 6, 63, SIE licenses to onboard clients into investment, mortgage, and business banking solutions, leveraging financial product knowledge and BSA/AML/OFAC compliance.

**Associate Banker** | Sep 2021 - May 2022

- Handled secure transactions, including wire transfers and cash deposits, ensuring accuracy and fraud prevention.

### Graduate School of Education, UC Berkeley

**Research Assistant** | Google Sheets | Aug - Dec 2019

- Analyzed hours of classroom teacher meeting videos to evaluate curriculum effectiveness for Oakland schools.

**Drum Instructor** | Aug 2015 - Jul 2016 & Jan - May 2020

## EDUCATION

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**University of California, Berkeley** | Aug 2021

**Bachelor of Arts in Applied Mathematics**

Coursework: Numerical Analysis, Statistics, Complex Analysis, Mathematical Programming

**Miramar College and Mesa College** | May 2019

**Associate of Arts in Mathematics** (Graduated on Dean's List)

### Obtained Licenses & Examinations

**Series 63** - Uniform Securities State Law Examination | **Series 6** - Investment Company and Variable Contracts Products Representative Examination | **SIE** - Securities Industry Essentials Examination | **California Life License** - Life - Var Life & Var Annuity | **Notary Public** - Napa County, California

## SKILLS

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**Programming Languages:** Go, Python, PHP, HTML, JavaScript, React, SQL

**Technical Expertise:** Blockchain development, API integration, VPS management, Cryptocurrency Payment Processing, Web Development, CAD Design, Regulatory Compliance (BSA/AML/OFAC)

**Soft Skills:** Quick Learner, Excellent Organization, Leadership, Critical Thinking, Personable, Trustworthy, Agency

**Additional:** Competed in Drum Corps International as a highly competitive snare drummer