

Nikko Kowalow

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EXPERIENCE

Cube Exchange

Chicago, IL

Backend Software Engineer Intern

May 2024 - August 2024

- Built backend systems for a high-performance trading platform utilizing Rust and PostgreSQL
- Developed atomic, all-or-none order matching/filling algorithm, allowing for seamless execution across multiple assets and markets.
- Implemented an automatic portfolio rebalancing feature, ensuring alignment with target allocations and enhancing the stability of users investment portfolios
- Engineered solutions to aggregate and display historical price data across multiple assets, providing users with comprehensive market insights
- Designed secure API endpoints for price retrieval and management, as well as an admin dashboard

NATION

Chicago, IL

Full-Stack Software Engineer Intern

June 2023 - August 2024

- Led iOS frontend development with React Native and collaborated on building the web platform using React
- Implemented the least significant bit steganography technique to mitigate media leaks
- Created admin dashboard to handle KYC, investment/bank info verifications, and push notifications
- Added a fully functional comment section designed to support community engagement and interaction
- Developed proficiency in Git, handling pull requests, merges, and reviewing teammates contributions
- Actively participated in daily standup meetings, ensuring alignment and collaboration with my team

PROJECTS & HACKATHONS

Solana Season Hackathon 2021 (3rd place out of 13,000 participants)

June 2021

- Used Rust and React to develop a decentralized ticketing and event hosting platform to minimize inflated secondary market prices, eliminate fraudulent tickets, and reduce processing fees.

SkinID: Congressional App Challenge (1st Place in Illinois)

June 2020

- Developed a skin cancer pre-diagnosis suite using React, Python, MySQL. Trained a machine learning model to detect benign and malignant skin cancers through images at an 83% successful diagnosis rate.

SKILLS

Languages: Rust, TypeScript, C, C++, C#, Python, PostgreSQL, Java, Solidity, Swift, Ruby

Technologies & Frameworks: React & React Native, Git, Figma, Node.js, AWS, Linux (Ubuntu), Flask, Ruby on Rails, Svelte, Vercel, Agile, Expo Go

EDUCATION

The Ohio State University

Columbus, OH

B.S. Computer Science (Specialization in Computer Networking)

Aug 2021 - May 2025

- **GPA:** 3.234
- **SAT:** 1470 (800 Math, 670 Reading/Writing)
- **Clubs & Activities:** Pi Lambda Phi Fraternity, OHI/O Hackathon Group