

Akshay Rakheja

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WORK EXPERIENCE

Growth Product Manager Alpaca Markets

04/2022 - Present

Remote

Tasks

- Develop, maintain and release a publishing cadence related to building products with Alpaca (both code and blogs).
- Track performance metrics of the said product launches.
- Collaborate with the growth and developer experience teams to quantify the ins and outs of Alpaca's business

Hardware Test Engineer Waymo

07/2019 - 02/2020

Mountain View, CA

Tasks

- Performed Mechanical, Electrical and Environmental testing, RCA
- Drive hardware validation with a focus on custom hardware

Hardware Test Engineer Sanmina and Zollner Electronics

05/2017 - 07/2019

San Jose, CA

Tasks

- Create test plans, perform yield loss analysis, schematic reviews and execute debug, validation and transitioning the project to production
- Developed and Implemented automation for data collection

EDUCATION

MEng. Electrical and Computer Engineering University of Waterloo

01/2021 - 05/2022

Waterloo, Canada

Specialization

- Machine Learning and Artificial Intelligence

BSc. Electrical Engineering Purdue University

08/2012 - 12/2016

West Lafayette, IN, USA

SKILLS

Solidity

Python

Javascript

C++

Matlab

Hardhat

Remix

Brownie

PROJECTS

Time Limited Tokens (03/2022 - Present)

- Added Time Limited rights to ERC-721 tokens that allows for atomic leasing
- Created a Demo app and reference contract for an EIP (EIP to be submitted)

DEX - CEX Arbitrage (04/2022 - 04/2022)

- Created an arbitrage bot to go long/short on crypto assets between Decentralized and Centralized exchanges
- Used Alpaca and 1Inch APIs for market data and trade execution

NFT Marketplace (01/2022 - 04/2022)

- Developed a Full-stack NFT Marketplace with Minting, Buy/Sell functionality
- Deployed the Dapp on Mumbai Testnet

Driver Behaviour Learning (06/2021 - 08/2022)

- Worked with Prof Mark Crowley and UWECEML lab on multi-modal data in fixed scenarios
- Performed Feature Extraction and Analysis on a dataset of drives
- Created a vanilla LSTM model to predict distance to the preceding target vehicle

ACHIEVEMENTS

Microgrant by IPFS (03/2022 - Present)

Awarded Microgrant by IPFS to further the Open Source development and deployment of reference contracts for Time Limited Tokens Project

3rd Place Bounty (03/2022 - Present)

Won 3rd place bounty from IPFS/Filecoin at Web3Con for Time Limited Tokens Project

INTERESTS

DeFi

Web3

Trading

Video Games

Hiking

Snowboarding