COLIN FINKBEINER

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EDUCATION

Ogemaw Heights High School *June 2019*
Valedictorian, GPA: 4.3/4.0

University of Michigan, Ann Arbor *April 2023*
B.S. in Computer Science; B.S in Data Science
Current GPA: 4.0/4.0
Course Highlight: Data Structures and Algorithms, Multi-variable Calculus, Discrete Mathematics, Introduction to Data Structures, Introduction to Cryptology
Awards: William J. Branstrom Award, 3rd place at North American Blockchain Olympiad

EXPERIENCE AND LEADERSHIP

University of Michigan | UBRI Research Assistant September 2020 - Present

- Researched cross board financing and Ripple, a SWIFT alternative for financial messaging and currency transfers using blockchain
- Built a Node.js script to send XRP between accounts in seconds using Ripple-API.

Blockchain at Michigan | Head of Consulting March 2020 - Present

- Increasing the club's active consulting projects from 3 - 10 companies.
- Coordinating and leading consulting and personal project development.
- Organized and taught a summer education program on blockchain business and development.
- Assembled and moderated an inter-collegiate blockchain event on "Intro to Sharding" with Near and the Blockchain Acceleration Fund.

PERSONAL PROJECTS

MeldX April 2020 - December 2020

- Building a blockchain powered exchange to connect retail investors with small businesses.
- 4th place at Ava Labs hackathon, International Blockchain Olympiad Honorable Mention, Celo Camp.

FixedLib March 2020

- Researched the mathematical limitations of the Ethereum Virtual Machine, and saw the need for more extensive emulation libraries.
- Open sourced the first solidity fixed integer library that supports trigonometric and hyperbolic functions.
- Published library to the Ethereum blockchain for anyone to use.

Quadratic and Instant-Runoff Voting Implementation August 2020 - September 2020

- Built a proof-of-concept Quadratic Voting and Instant-Runoff Voting contract in solidity to be implemented into a Decentralized Autonomous Organization.
- Building with a mix of open sourced community tools and custom built smart contracts.
- Future plans in implementing into existing governance smart contracts.

TECHNICAL STRENGTHS

Computer Languages	Solidity, C++, Python, JavaScript, Bash
Libraries	React, Web3, Matplotlib, Pandas
Tools	Truffle, Mochajs