Kelton J. Madden

949 Victoria Street, Sheridan, WY 82801 | 406-224-3996 | keltonmadden@gmail.com | github: kmadk

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UNIVERSITY OF PENNSYLVANIA: PHILADELPHIA, PA CLASS OF 2021

MASTER OF SCIENCE AND BACHELOR OF ARTS IN PHYSICS
- Minors: Computer Science, Mathematics
- MS. GPA 3.9/4.0; BA GPA: 3.45/4.0
- Relevant Coursework: Data Structures & Algorithms, Data Mining & Machine Learning, Computer Programming I & II, Advanced Linear Algebra, Theoretical Neuroscience, Applied Machine Learning, Grad. Quantum Mechanics I & II

PARK HIGH SCHOOL: LIVINGSTON, MT CLASS OF 2017

- Valedictorian; National Merit Scholar; National Honor Society Member
- ACT Score: 35

SKILLS AND INTERESTS:

Technical: Javascript, React, Python, Node.js, Typescript, Qiskit, Solidity, Java, LaTeX, Cursor
Languages: Proficient in Spanish, Basic French
Personal Interests: Literature/Poetry, Bioethics, Fishing, Movies, Soccer, Skiing

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PROFESSIONAL EXPERIENCE:

GOODLABS: FULL STACK ENGINEER, NYC/HYBRID (CONTRACT) **MAY 2025 - AUG 2025**
- Delivered end-to-end features in a TS monorepo including a full UI revamp, PostgreSQL upgrades and API integrations.
- Led development of the "AI Health Action Plan", from scope to production, combining historical biomarker data with clinician input to generate personalized recommendations and feedback loops using state-of-the-art Gemini/OpenAI models.

EL DORADO: CO-FOUNDER/CTO, REMOTE **MARCH 2023 – MARCH 2025**
- Engineered the entirety of a web application focused on the seamless and sovereign execution of the exchange and yield-bearing of assets across 20+ blockchain ecosystems/wallets using novel cross-chain automated market maker technology.
- Executed co-founder responsibilities including raising capital, leading strategic decision making, marketing, UI/UX design, B2B sales flows and to the complete management of a five person engineering team in a competitive and fast-paced ecosystem.

IDEAMARKET: LEAD SMART CONTRACT ENGINEER/CTO, REMOTE **AUG 2021 – OCT 2022**
- Developed multiple top-to-bottom smart contract solutions for a first of its kind social-media decentralized-finance platform.
- Orchestrated the connection and management of engineers focused on the frontend, backend and design of the application.

WEBB: SMART CONTRACT ENGINEER/PROJECT MANAGER, REMOTE **JUNE 2021 – SEPT 2021**
- Built and deployed the first Solidity implementation of a cross chain, private bridging and token wrapping protocol combining Chainbridge's bridge architecture with private, ZK-proof, cryptographic anonymity sets.
- Managed the entire Solidity protocol's specification and tasking to properly code, test, document, and deploy the system.

ATOMIC AI: DATA SCIENTIST/SOFTWARE ENGINEER, PHILADELPHIA, PA **JUNE 2020 – APR 2021**
- Worked in technical and managerial capacity within a tight-knit SaaS/consulting company team leveraging machine learning to optimize and standardize nanomaterial fabrication techniques and simultaneously identify novel particles and use-cases.
- Created a from-scratch web app for industry leading image segmentation and statistical analysis of nanomaterials.

OMATE: UX/UI DESIGNER AND MARKETING INTERN, SHENZHEN, CHINA **MAY 2019 – AUG 2019**
- Collaborated directly with the CEO to create new UI and updated marketing strategy for a new senior smartwatch model.
- Negotiated prospective partnerships and troubleshot implementation issues with international suppliers and customers.

OTHER EXPERIENCE:

NFT LAUNCH ENGINEER: SMART CONTRACT DEVELOPER/STRATEGY CONSULTANT **AUG 2021 - DEC 2023**
- Wrote custom smart contracts and consulted on multiple NFT launches generating millions in revenue.

THE WAGON BOX PROJECT: BOARD MEMBER/ADVISOR **Nov 2022- PRESENT**
- Led strategic planning and event organization for a cultural retreat center/lodge/restaurant in the mountain west.

PENN CLUB SOCCER: TEAM MEMBER **AUG 2019- MAY 2021**
- Played both regionally and nationally in high-level competitions, including the 2019 Club Soccer Championship in Austin, TX.