REECE BAILEY

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EDUCATION

California State University, Fullerton   August 2021 - Present
Bachelor of Science in Computer Science   *Fullerton, CA*

EXPERIENCE

Base Hackathon Co-Host   May 2025
California State University, Fullerton   *Fullerton, CA*
- Co-hosted a Base hackathon at CSUF, supporting 20+ developers and 10+ on-chain projects.
- Managed logistics and provided live technical support, ensuring smooth development and deployment on Base.
- Facilitated developer onboarding by guiding participants through wallet setup, node provider access, and scaffold usage for dApp development

Data Science & AI Intern   December 2024 – April 2025
Neudesic, an IBM company   *Irvine, CA*
- Developed a layer-enhancing classifier to mitigate prompt injection attacks and improve model robustness through layer pruning techniques.
- Collaborated across front-end and back-end teams to integrate AI-powered functionalities into enterprise-level applications.
- Implemented advanced evaluation metrics, including F1 scores, to assess and refine model robustness in detecting adversarial prompts and ensuring classifier reliability.

Undergraduate Blockchain Research Contributor   May 2023 – July 2023
California State University, Fullerton   *Fullerton, CA*
- Collaborated on blockchain-based smart contract projects to explore decentralized finance solutions and their security implications
- Researched and analyzed the impact of blockchain consensus algorithms and decentralized storage on financial applications
- Presented findings on blockchain scalability, on-chain data analysis, and decentralized governance in student-led seminars and academic forums.

PROJECTS

Blockchain Hot Potato Game | *Solidity, Next.js, Mongodb, Git, Ethers*   April 2023 – Present
- Designed and implemented game logic in Solidity, ensuring transparent and tamper-proof gameplay on the Ethereum blockchain.
- Utilized Next.js to create an interactive and responsive web interface, allowing users to participate in the game, view the current holder of the "potato," and monitor the countdown timer in real-time
- Developed a leaderboard system using MongoDB, storing and displaying top players based on game wins, ensuring competitive and engaging gameplay.

EXTRACURRICULAR ACTIVITIES

Vice President, Blockchain Club   Aug. 2023 – Present
California State University, Fullerton   *Fullerton, CA*
- Organized and co-led developer workshops covering smart contract creation, decentralized application (dApp) development, and DeFi investment strategies.
- Collaborated with the executive board to manage club events such as portfolio investment pitches, on-chain governance simulations, and tokenomics strategy sessions.

TECHNICAL SKILLS

Languages: Python, C/C++, JavaScript, TypeScript, SQL (Postgres), HTML/CSS, Solidity, Rust
Frameworks: React Native, Node.js, WordPress, Hardhat, FastAPI
Developer Tools: Git, Google Cloud Platform, VS Code, Visual Studio, PyCharm, AWS
Libraries: PyTorch, TensorFlow, pandas, NumPy, Matplotlib, Ethers.js, OpenZeppelin