Jack Willis

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OBJECTIVE: Tenacious computer science undergraduate looking to gain experience in full stack web development and blockchain. My goal is simple, use my computer science background, passion for coding and love of Web 3.0 to contribute to the next evolution of the internet.

EDUCATION:

Syracuse University, College of Engineering and Computer Science
Bachelor of Science, May 2023
Major: Computer Science
Minor: Mathematics
GPA 3.5

SKILLS:

Languages:	Solidity, JavaScript, HTML, CSS, Tailwind, React, SQL, Java, C	
Applications:	Microsoft Visual Studio, Microsoft SQL Server Management Studio, GitHub, JIRA, Taiga, Linux, VIM, PowerShell, Hardhat	
Other:	Multivariable calculus, blockchain	

RELATED EXPERIENCE:

RESEARCH ASSISTANT   June 2022 – December 2022
Syracuse University; Syracuse, NY

- Conducted various laboratory experiments involving Solidity smart-contacts and decentralized finance on the Ethereum blockchain
- Designed and implemented two new Solidity programming labs based on arbitrage protection on decentralized exchanges and reordering attack prevention on the Ethereum blockchain, both were used in a graduate level blockchain course
- Wrote a presentation on proposed solutions for preventing MEV on Ethereum

GRADER   January 2022 – May 2022
Syracuse University; Syracuse, NY

- Graded students programming assignments and exams in C and Unix as part of Syracuse Universities Systems and Network Programming course
- Worked closely with the professor to edit answer keys for homework's

FRONTEND DEVELOPMENT INTERN   June 2021 – August 2021
EIS Group Ltd; San Francisco, CA

- Fixed language selection bugs in an existing React frontend component
- Learned version control through GitLab and project management with JIRA
- Coordinated with other software engineers to streamline their local development environment setup and wrote documentation on the process for future employees

ENGINEERING APPLICATIONS:

Hungry: Food Suggestion App
- Helped develop a CRUD application following Agile Methodologies that helped users decide what they want to eat
- Created the home screen and random food generator React components
- Wrote weekly scrum reports, supervised our Kanban board in Taiga and scheduled weekly meeting times
- Assisted with the design of the frontend in Lucidchart and created the use case diagram for the application

Time Vault
- Created a fully decentralized application that allows users to lock away their ether in case of emergency
- Wrote the smart contract in Solidity and deployed it to the Goerli test network using Hardhat
- Developed the frontend using Next.js and Tailwind CSS for styling
- I connected the frontend to my smart contract using ethers.js and deployed it to IPFS to achieve decentralization

OTHER EXPERIENCE:

1Cademy, *Crypto Economics Research Intern*   October 2021 – March 2022
FS Engineering, *Office Intern*   June 2017 – August 2017