

Jackie Liu • 刘嘉伟

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EDUCATION	<i>Cornell University</i> B.A. Computer Science <ul style="list-style-type: none">• Breadth track with math specialization• Select coursework: Algorithms, OS, Networks, Databases, Programming languages, Networks, Machine learning• Activities and organizations: Association of Computer Science Undergraduates, eSports, Film, Shogi	Dec 2023
WORK EXPERIENCE	<i>Nethermind</i> Software Engineer Intern, MEV Research <ul style="list-style-type: none">• Flashbots v0.1 in Nethermind C# Ethereum client• Private cross-chain token recovery with Flashbots• MEV infrastructure in Eth2 for ScalingEthereum	May 2021
OTHER EXPERIENCE	<i>Aave Wasabi @ Cornell eHub</i> Founder <ul style="list-style-type: none">• Early stage development of a DeFi protocol <i>FTC Robotics</i> Lead programmer, Autonomous control <ul style="list-style-type: none">• Manage small team of programmers working on an Android mobile app for computer vision and sensor integration	Feb 2021 May 2019
SKILL STACK	Common: Proficient in Python, Javascript/Node.js, Solidity; some experience with Rust, Go, C, C#, OCaml, Java, Typescript Tools: Linux, WSL, AWS, git, LaTeX, Docker Web: React, HTML, CSS, Bootstrap, Twelve-Factor Apps, RESTful APIs Web3: web3.js, ethers.js, Geth, Erigon, Foundry, DeFi, HardHat, Onchain analysis Correctness: Some experience with K ML: numpy, scikit-learn, Jupyter	
SELECT PET PROJECTS	<i>MEV bot</i> <ul style="list-style-type: none">• Distributed objects/microservices for monitoring and executing pure revenue opportunities such as liquidations for lending pools• Express, Redis, Bull JQ, clusters and workers, GraphQL, Docker, AWS, Erigon, Foundry, flash loans and swaps, price feeds <i>Risk markets protocol</i> <ul style="list-style-type: none">• Protocol and interface for exchanging risk and taking directional positions in token markets, e.g. hedging leverage spirals and going long• React and Bootstrap CSS interface, liquidity and external yields from lending pools <i>Language formalization</i> <ul style="list-style-type: none">• Executable semantics for a core subset of Solidity• Definitions using the K framework	