Eddy Guo

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EDUCATION

University of Waterloo — Sep. 2020 – Jun. 2025
Honours, Bachelor of Computer Science, President's Scholarship of Distinction — *Waterloo, ON*

SKILLS

Languages: TypeScript, JavaScript, Python, Solidity, SQL, C++, Kotlin
Technologies: Git, Node, React, Web3, Hardhat, Tailwind, MongoDB, Redis, GraphQL

EXPERIENCE

Software Engineer — Feb. 2024 – Present
Flood — *Pisa, Italy*

- Revamped Floodswap (**Jotai** state mgmt, **Tailwind**), powering **10,000+** traders, **450k+** txns, and **$17M+** volume
- Refactored **Rust** and **Solidity** contracts for FloodSwap v2, enhancing performance and scalability for public release
- Deployed a Telegram bot in **Rust** linked to our arbitrageur, allowing EthCC participants to guess and win its profits
- Collaborated with designers to implement **Figma** designs using **Astro** to create a fast, responsive marketing website
- Refined code quality and monitoring systems with other devs, conducting rigorous **integration** and **functional** tests

Software Development Intern — May 2023 – Aug. 2023
Axelar — *Waterloo, ON*

- Led optimization initiative with a stat model using txn data (**Express**, **MongoDB**), reducing overpaid gas by **40%**
- Found discrepancies in tier-1 protocols by comparing public metrics with on-chain data using **Dune SQL queries**
- Researched, proposed, and initiated **ZKP** integration to enhance security and privacy in cross-chain interactions
- Enhanced cross-chain dApp examples for **3000+** devs by updating tutorials for testnet contract calls and transfers

Software Engineer — Aug. 2022 – Apr. 2023
Jackal Labs — *Ottawa, ON*

- Built a dynamic, scalable frontend interface for **10,000+** users using **Vue**, **CosmosSDK** and **canine-chain**
- Developed an airdrop checker with **Keplr** and **Leap** integration for **2,000+** stakers to calculate their owed $JKL
- Implemented a **block validator** notification bot to monitor internal service statuses with **four-nines** availability
- Maintained and optimized backend services by writing **unit tests**, restructuring legacy code, and expanding docs

Software Development Intern — Jan. 2022 – Apr. 2022
ATS Automation — *Cambridge, ON*

- Impacted **millions** of users with an enhanced frontend, converting **React classes** to **functional components**
- Fleshed out front-end internationalization with **React-intl**, supporting multiple languages via **JSON config**
- Provided on-call support for ATS's core product Illuminate, resolving critical bugs with a **2 hour response time**
- Implemented interface improvements for **millions** of clients through **end-to-end testing** and feedback sessions

Software Development Intern — May 2021 – Aug. 2021
Process Fusion — *Toronto, ON*

- Developed a Live Chat Widget for PF's Support Page with **Stream Chat API** serving **50,000+** consumers
- Improved file parsing in PF's CapturePoint using **Kafka** and **Pandas**, achieving **25%** faster data processing times
- Built internal form tools in **Next.js** to record and store sales information in **PostgreSQL**, streamlining tracking
- Developed interactive visual reports and presentations using **Power BI**, integrating data from **Excel** and **SQL**

PERSONAL INTERESTS

- Dedicated fitness enthusiast - currently improving powerlifts and cardio endurance, striving to compete recreationally, bench press 315 lbs, and finish a marathon by the end of 2024
- Interested in optimal routing across CFMMs, exploring different ways to achieve the best possible trade prices and its advantages over traditional aggregation and batch auctions in decentralized finance
- Active poker player studying exploitative and GTO play; profitable in low-stakes with goals to play in tournaments