Eddy Guo

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EDUCATION

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

SKILLS

Languages: JavaScript, Python, Solidity, SQL, C++, Kotlin, HTML, CSS

Technologies: Node.js, React, Next.js, Vue.js, Web3/Ethers, Flask, Django, PostgreSQL, MongoDB, Redis

EXPERIENCE

Software Developer   May 2023 - Present
Axelar Network   *Waterloo, ON*
- Spearheaded gas optimization initiative by engineering a statistical analysis model using historical GMP transaction data (Node.js, Axelarscan API, MongoDB) to reduce post-execution refunds and overpaid gas fees by 50%
- Used SQL+Dune to compare published metrics against on-chain data, finding discrepancies across tier-1 protocols
- Enhanced cross-chain dApp examples by updating tutorials/documentation for testnet contract calls and transfers

Software Engineer   Aug. 2022 - Mar. 2023
Jackal Labs   *Ottawa, ON*
- Built Jackal's frontend interface while integrating CosmosSDK, canine-chain, and canine-oracle for 10,000+ users
- Developed an airdrop checker tool for 1,500+ stakers to calculate their address's owed $JKL with Keplr integration
- Implemented a real-time validator status notification bot to monitor internal services with four-nines availability

Software Development Intern   Jan. 2022 - Apr. 2022
ATS Automation   *Cambridge, ON*
- Implemented front-end redesign in React, migrating from legacy class components to isolated, functional system
- On-call support for ATS's core product, Illuminate, assessing and resolving critical front-end bugs w/ 4h response
- Implemented front-end internationalization with React-intl, adding support for multiple languages via JSON config

Software Development Intern   May 2021 - Aug. 2021
Process Fusion   *Toronto, ON*
- Developed a Live Chat Widget for PF's Customer Support Page (Stream Chat API) used by 5,000+ consumers
- Built internal form tools in Next.js to record and store sales information in PostgreSQL, streamlining tracking
- Improved input parsing in PF's core CapturePoint product, leading to 25% improved initial document load times

PROJECTS

Habipets | *Solidity, JavaScript (React), HTML, CSS, Altura API*   habipets.vercel.app
- Habit tracking application exploring GameFi - log daily habits, mint Smart NFT rewards upon various milestones
- NFTs change dynamically relative to current streak and achievements - avoid gas costs through off-chain updates

snip3r | *Ethers, JavaScript (Next), HTML, CSS, Figma, Reservoir API*   showcase/snip3r
- Real-time monitoring dashboard that uses whale transaction data to predict upcoming high-value NFT collections
- Automated NFT sniping according to pre-defined rules including floor price and rarity, with Flashbots execution

Co:herent | *JavaScript (Next), HTML, CSS, Cohere API*   coherentapp.tech
- Leverages co:here's API to simplify verbal communication for the hearing impaired through AI-guided speech
- Trained NLP model to give response suggestions based on user-inputted keywords and conversation context

SelfBot | *Python, Pyppeteer, Pytesseract, Discord API, Twitter API*   eddy-guo/discord-auto-joiner
- High-performance Twitter API scraper to track and parse limited-time release Discord server invitation links
- Tesseract OCR used to detect invite codes hidden in pictures; Pyppeteer used to bypass Discord anti-bot measures

AWARDS AND INTERESTS

Hack Western 9 Winner: 1st place overall hack (300+ participants)

ETHToronto 2022 Finalist: Top 10 overall hack (600+ participants), 2nd best AlturaNFT hack

UW Blockchain Club Developer + Analyst: spearheading blockchain projects, organizing technical workshops, developing on-chain analytics tooling, and researching web3 topics