

# Eddy Guo

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## EDUCATION

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### University of Waterloo

Honours, Bachelor of Computer Science, President's Scholarship of Distinction

Sep. 2020 – Jun. 2025

Waterloo, ON

## SKILLS

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**Languages:** JavaScript, TypeScript, Python, Solidity, SQL, C++, Kotlin

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

## EXPERIENCE

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### Flood

Fullstack Developer

Feb. 2024 – Present

Remote

### Axelar

Software Development Intern

May 2023 – Aug. 2023

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

### Jackal Labs

Software Engineer

Aug. 2022 – Mar. 2023

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

### ATS Automation

Software Development Intern

Jan. 2022 – Apr. 2022

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

### Process Fusion

Software Development Intern

May 2021 – Aug. 2021

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

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**Habipets** | Solidity, JavaScript (React), Altura API

habipets.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), 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), 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, Pypeteer, 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; Pypeteer used to bypass Discord anti-bot measures

## AWARDS AND INTERESTS

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**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