

Eddy Guo

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EDUCATION

University of Waterloo

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

Sept. 2020 – Jun. 2025

Waterloo, ON

SKILLS

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

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

EXPERIENCE

Software Engineer

Jackal Labs

Aug. 2022 - Present

Ottawa, ON

- Built Jackal's frontend interfacing with Canine (CosmosSDK blockchain) with cosmos-sdk-js 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
- Contributed to back-end API development, writing unit tests and expanding developer documentation

Software Development Intern

ATS Automation

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
- Participated in end-user testing and feedback sessions with Peloton and Bausch+Lomb to categorize improvements

Software Development Intern

Process Fusion

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 sales dept. information, stored in PostgreSQL, streamlining tracking
- Improved input parsing in PF's core CapturePoint product, leading to 25% improved initial document load times
- Created interactive visual reports (Power BI with Oracle, SQL, SharePoint) to present customer & company data

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

World Sport Stacking Association International Championships Finalist: Team Canada representative, top 10 placements in various events worldwide