

Ian Barrie

Fort Collins, CO • ianartbarrie@gmail.com • github.com/Yumstezy • [LinkedIn](#)

Education

Colorado State University

B.S. Computer Science, Concentration in Networking and Security

Fort Collins, CO

Expected May 2028

Relevant Coursework: Data Structures and Algorithms, Object-Oriented Programming (Java), C++ Fundamentals, Linear Algebra, Probability and Statistics, Calculus

Awards: Winner, NASA and USDA Land Use Challenge, CSU Hackathon 2026 (sponsored by AWS and Databricks); selected to present to NASA and USDA stakeholders in Washington, D.C.

Projects

[Aurum](#)

April 2026

Geospatial AI Yield Forecasting | Python, AWS S3, SageMaker, Databricks, XGBoost

- Moved corn-yield forecasts from 4 months after harvest to 4 months before it across 263 counties in 5 states by fusing 5 satellite and climate sources into an AWS S3 data lake and training models on SageMaker
- Raised model accuracy from a 0.271 R^2 baseline to 0.789 (9.2 bu/ac average error) by replacing a single regressor with a dual-model design and enforcing validation that blocks data unavailable at forecast time

[Gone Phishin'](#)

May 2026

Anti-Phishing Chrome Extension, Live on Chrome Web Store | TypeScript, React, Next.js, Postgres

- Shipped a phishing-detection extension to the Chrome Web Store by owning the full lifecycle solo: browser extension, backend service, database schema, and a companion caregiver dashboard
- Caught brand-impersonation phishing that URL reputation services clear as safe by building a link-analysis heuristic scoped to keep false positives low enough to preserve user trust

[brkt battle](#)

2026

1v1 Tournament Platform on Solana, Live | TypeScript, Next.js, Node.js, PostgreSQL

- Launched a live tournament platform with 6 playable fighter classes, a leaderboard, and bracket progression, with prize payouts in SOL
- Removed the need for entry fees or outside sponsors by funding the prize pool through the project's own token launch

[Jellyfish](#)

In development

Custom Linux Distribution and Desktop Shell | Nix, NixOS, Wayland, systemd

- Reduced a full OS install to one reproducible build that ships as a bootable ISO by defining the kernel, NVIDIA drivers, compositor, and desktop shell entirely as a Nix flake
- Wrote a desktop shell from scratch with a status bar wired to live network, Bluetooth, and audio state, plus an app launcher and first-boot onboarding

Experience

[Palm Supplements](#)

Remote

Founder

2022 – 2024

- Built and ran a dietary supplement brand selling dissolvable oral strips across TikTok Shop, Shopify, and Instagram, owning product, branding, suppliers, and paid social

[DID Records / BRILL](#)

Fort Collins, CO

Co-Founder and Recording Artist

2024 – Present

- Co-founded an independent label connecting U.S. and European artists and a touring music duo; manage releases, bookings, and tour logistics

Leadership & Activities

[Pi Kappa Alpha, Colorado State University](#)

Fort Collins, CO

Founding Father

2025 – Present

- Helped charter a new chapter from zero, handling recruitment, events, and treasury for an organization with no existing members or financial history

[DevNet, CSU Software Development Club](#)

Member

Skills & Interests

Technical: C++, Java, Python, TypeScript, JavaScript, Rust, SQL; Node.js, React, Next.js, PostgreSQL, Docker; AWS (S3, SageMaker); Linux, NixOS; Git

Language: English (native), Spanish (conversational)

Interests: Music production and live performance, cybersecurity, building side projects, the beach