

Sviatoslav (Stefan) Oleksiienko

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EDUCATION

University of Notre Dame | Notre Dame, IN

Graduation May 2027

B.S., Computer Science

GPA: 3.868

Dean's List; QuestBridge Scholar; accepted research (Fall 2026, S2E lab): vulnerability detection with program analysis and ML; Notre Dame ACM Lead Developer; Technical Lead Startup Coach at the Idea Center.

TECHNICAL SKILLS

Languages: Python, C, C++, Rust, TypeScript, SQL, Bash, RISC-V assembly; Linux.

Backend / Frontend: FastAPI, Flask, Django, Axum; SQLAlchemy, Celery; JWT / OAuth, Stripe; REST APIs, microservices, caching (Redis); concurrency (async, multiprocessing); React, Next.js, Tailwind, Vite; Leptos / WASM.

Cloud, AI & Workflow: AWS (EC2, S3, Lambda, RDS, ECS / EKS), Docker, Kubernetes, Vercel, Supabase, Sentry; LLM serving + RAG, embeddings + vector search, PyTorch; pytest, vitest, Playwright; Git, GitHub Actions CI/CD.

EXPERIENCE

Software Engineer Intern | ClickUp (Mango Technologies, Inc.), Chat team | Remote July 2026 to Present

- Hired as the first intern in ClickUp history (~\$4B company), by direct personal invitation from its co-founder & CTO.
- Own a feature-flag management platform initiative changing how 1,000+ ClickUp employees ship features; built with agentic development and platform tooling, used daily; own the platform repo, its CI/CD rules, and compliance gates.
- Managed and deduped thousands of feature flags spanning every ClickUp team; investigated and reported security vulnerabilities and bugs surfaced during platform and flag-audit work.
- Raise edge cases and design improvements in company-wide backend architecture meetups of 30+ engineers.

Founding Engineer | Desync AI (pre-seed AI startup) | Notre Dame, IN June 2026 to July 2026

- Merged 260+ pull requests in the first month (85% of all PRs merged in the monorepo, ~139K lines of new code) and cut all 4 production releases across a Rust (Axum, Leptos / WASM) + Python (Flask, FastAPI) + Postgres stack.
- Eliminated customer double-charging by making quota debits one atomic transaction; shipped idempotent Stripe webhook processing, 3DS/SCA on first charges and renewals, and revocation claw-back across 26 billing PRs.
- Consolidated 8 repositories into one monorepo with full git history; path-filtered CI rebuilds only changed services (3x GitHub Actions cost cut); Dockerized every service with automated cloud deploys; added lint gates, load + soak tests, and per-test ephemeral Postgres databases.
- Provisioned and ran an H100 GPU cluster serving a self-hosted 70B LLM (vLLM) driving parallel Claude Code agent sessions; built merge-conflict auto-resolution in CI and a Clerk-gated ops dashboard (Axum + Leptos).
- Hardened reliability and security: pooled Rust email client with exponential backoff + jitter, Sentry across all services, blocking secret scanning, IDOR fixes, rate-limited Clerk JWT auth, Alembic migrations behind Postgres advisory locks; shipped an async streaming chat agent (FastAPI + AsyncAnthropic) with prompt caching.
- Accepted into Race to Revenue, the Idea Center's startup accelerator, with a \$6,000 grant (summer 2026).

Founder & Program Director | Innovation Sprint Lab (student accelerator) | Notre Dame, IN Feb. 2025 to Present

- Identified the need, conceived, and founded the program; ran the Fall 2025 cohort: selected 15 of 70+ applicants via 27 technical interviews, raised \$10K+, recruited mentors including ClickUp's CTO (mentored two teams) and a Teamworthy Ventures VP (embedded a team in a portfolio codebase); 100% placement (NVIDIA, AWS, Boeing, IBM).
- Organized SprintHack@ND AI hackathon (Fall 2025): 12 teams, 60+ participants, \$5K prizes; judges from Google, Amazon, Replit, and top VCs.
- 2026-27: unified CS4Good, Data Club, NDVC, and the Idea Center (300+ members combined) to co-host hackathons; leading a full-year cohort kicking off with an October 2026 hackathon.

Software Engineer / Technical Lead | Tweeds (early-stage AI startup) | Cincinnati, OH Aug. 2024 to June 2026

- Built and operated a production Python async pipeline (FastAPI, asyncpg, aiohttp) turning book manuscripts into Amazon listings, cutting turnaround from weeks of manual copywriting to minutes per book.
- Built a provider-agnostic LLM routing layer (litellm, pydantic-ai) with typed outputs; vector retrieval over a 14,000-category Amazon taxonomy and an 80K+ row corpus on Postgres + pgvector; ranked listings on live market signals from NLP keyword extraction (spaCy, keybert, YAKE).

PROJECTS

- **CoreMetrics** (C++23, SDL3, 16K+ LOC): real-time cross-platform system monitor on a from-scratch GUI toolkit over raw SDL3 surfaces (no Qt / Electron); hand-written rasterizer, three native metrics backends (/proc, mach + IOKit, PDH); 33 test suites, tri-platform CI; wrote 92% of the codebase (git-blame-verified) across 728 commits and 30 releases; event-driven UI with XML-defined layouts and 500ms native metric polling.
- **nd-canvas-study** (Python): solo-built AI study tool: ingests a full Canvas course, OCRs scans via multimodal models into a Chroma vector DB, classifies past-exam problems by topic, and runs an exam-vs-homework gap analysis; scored 105% on the final.