

EDUCATION

The University of Chicago, Chicago, IL | June 2026

Bachelor of Science with Honors in Computer Science

Bachelor of Arts in Creative Writing

GPA: 3.75/4

Awards: The Margaret C. Annan Undergraduate Award in Writing; People's Choice Award for Tech Showcase

TECHNICAL SKILLS

Languages: Python, C++, Java, JavaScript, Swift, HTML, CSS, Ruby (fluent); TypeScript (learning)

Frameworks: React, Node.js, Flask, Ruby on Rails

AI/ML: Claude API, LangChain/LangGraph, MCP (Model Context Protocol), GPT-4o Vision, Prompt Engineering, HuggingFace Transformers, Computer Vision (YOLO, Object Tracking)

Databases: MySQL, MariaDB, Google Cloud Platform, DuckDB, Parquet

Tools: Git/GitHub, Docker, Jenkins, Xcode, Figma

EXPERIENCE

Almanac, Brooklyn, NY

Software Engineer (Contract) | August 2026 – Present

- Owned the computer vision pipeline end to end as the first engineer at an early-stage maritime monitoring startup. Replaced an off-the-shelf detection system with direct YOLO inference, an in-house multi-object tracker (ByteTrack-style, Kalman prediction) and an event manager that turns raw harbor footage into discrete vessel events.
- Designed and built a standalone service that matches camera tracks to ship transponder (AIS) data. It narrows ~444K candidate pairs to ~27K per day and keeps match confidence auditable for human review.
- Created the company's first evaluation process for match accuracy using a stratified human review of 110 tracks. The baseline it set led to four measured fixes, one of which recovered 1,900+ previously dropped tracks.

KimbaAI, Remote

Part-Time Software Engineer | March 2025 – April 2026

- Led REST API integrations using Google Cloud Functions to power user onboarding and data pipeline workflows, managing end-to-end production database operations handling ~100 daily backfill and update requests.
- Authored monthly technical newsletters covering product launches and architecture updates, distributed to an audience of 200+ investors and waitlist users to maintain stakeholder alignment.
- Developed and shipped an iOS app in Swift using Xcode as a demo and investor tool, enabling stakeholders to visualize core product capabilities; distributed to beta testers and used in fundraising presentations.

Meritize, Frisco, TX

Software Developer Intern | June – August 2024

- Maintained full-stack Java and Ruby on Rails applications supporting Meritize's loan origination and customer-facing workflows, iterating on features based on user and stakeholder feedback to improve functionality and adoption.
- Implemented Test-Driven Development by writing automated unit, integration, and end-to-end tests using RSpec, Capybara, and JUnit, contributing to a more stable and reliable software product.
- Queried MariaDB/MySQL for data-analytics and CTO reporting; synthesized team priorities into Gantt chart presentations and tracked sprint progress in Jira.

LEADERSHIP & PROJECTS

TechTeam, The University of Chicago

Elected Board and Clients Team Member | May 2025 – June 2026

- Manage client portfolio of Chicago organizations, lead outreach, project scoping, and serve and oversee 1–2 technical projects per quarter from start to handoff; mentor project leaders on technical stack selection and best practices.

2 Schools 1 Goal Project, Cape Town, South Africa

Founder, Implementer | March 2020 – December 2020

- Founded and implemented a data access initiative during COVID-19 to ensure 108 students could continue their education remotely during school closures, raising over R70,000 to fund 20GB of mobile data per student.