

KENZO FUKUDA

561-445-6753 | kenzof28@gmail.com | www.linkedin.com/in/kenzo-fukuda | github.com/kofki

EDUCATION

University of Florida

May 2028

Bachelor of Science in Computer Science, Minor in Business

GPA: 3.76

- **Relevant Coursework:** Engineering Statistics, Linear Algebra, Data Structures & Algorithms, Operating Systems, Introduction to Software Engineering, Discrete Math, Computer Organization, Financial Accounting
- **Awards/Certificates:** Nvidia Fundamentals of Deep Learning, CS50 Intro to AI, Dean's List (2024-2025)

EXPERIENCE

Software Engineering Intern

Jan 2026 – Present

Vobile Group

Gainesville, FL

- Reduced data size by 15% by migrating JSON serialization to binary **MessagePack** in **Django** and **RabbitMQ**.
- Increased video metadata discovery by 300k+ records weekly by leveraging **Youtube's** recommendation algorithm, optimizing a **Conductor** workflow through tasks deployed via **Helm** and **Flux GitOps** on **Kubernetes**.
- Optimized video ingestion to save \$15,000 monthly and enable daily processing of 1,000+ assets by engineering and **TypeScript** batching and compression tasks for enterprise clients like Netflix, Disney, Sony, and Warner Bros.
- Achieved 3.5x throughput and resolved 100+ errors by overhauling a **Celery** and **RabbitMQ** pipeline execution.
- Resolved 30+ media endpoints in NodeJS with an **agentic Claude Skill** web scraper generator and prompt tuning.

Co-Founder Chief Technology Officer & Software Engineer

Dec 2025 – Present

BeachLens

Gainesville, FL

- Built and deployed a real-time beach data **iOS** app with 4,000+ users in the Apple App Store using **React Native**.
- Engineered a serverless ELT pipeline for real-time data processing and validation to unify 11+ heterogeneous environmental data streams of weather/water conditions.
- Led a team of 11 via **Agile sprints** and ticket management to ship a real-time beach data app backed by NOAA.
- Developed a recommendation engine using predictive data modeling to deliver safety insights from user analytics.

Software Engineering Lead

Sep 2025 – May 2026

SASE Web Development Team (SWT)

Gainesville, FL

- Led a 30-member org to launch an AI Advisor, managing 3 technical sub-teams using **Scrum**.
- Architected a **React** frontend, led code reviews and conducted workshops on Git, React, and REST APIs.

Software Engineering Intern

Sep 2025 – Dec 2025

The Bean Code

Remote

- Engineered an asynchronous **FastAPI** backend and indexed **PostgreSQL** schemas that offload resumes and video interviews to **S3** to minimize database latency.
- Automated resume parsing via **Regex** and **NLP** to structure raw extracted text into JSON for the matching engine.

PROJECTS

Subscriptos | Python, TypeScript, React, FastAPI, Supabase, PostgreSQL, Stripe, Gemini, Figma

Mar 2026

- Scoped and deployed a **React** virtual burner cards manager, cutting 100% of predatory billing risks.
- Reduced ToS review time by 95% via a Chrome extension that uses **Gemini** to flag predatory traps via safety scores.

CaseForwardAI | TypeScript, React, Next, MongoDB, Gemini, Cloudflare, Figma

Jan 2026

- Won 1st Place at SwampHacks XI (100+ projects) by leading a 4-person team to develop a multi-agent AI legal platform using **Next.js**, **React**, and **MongoDB** to automate document intake and case analysis.
- Engineered a serverless multi-agent orchestrator using **Gemini** and **Cloudflare R2** to delegate reasoning and action tasks via **MCP**, reducing manual processing by 80%.

TECHNICAL SKILLS

Languages: Python, TypeScript, JavaScript, C, C++, SQL, Java, HTML/CSS, R, Swift

Frameworks/Libraries: React, NextJs, NodeJs, FastAPI, Django, Spring Boot, Flask, Pandas, NumPy, Matplotlib

Infrastructure & Tools: AWS (EKS, S3, EC2, ECR), Docker, Kubernetes, Terraform, Flux GitOps, CI/CD, RabbitMQ, Git, Linux, XCode, Figma, Postman, Cursor, Claude Code, Linear, Jira, Elasticsearch, Supabase, Stripe