

Jakob Laise

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EDUCATION

University of Central Florida

B.S. in Computer Science, College of Engineering and Computer Science

• GPA: **3.94** | **Core Concepts:** Data Structures, Algorithms, Object-Oriented Programming, System Design

Graduating: May 2028

Orlando, FL

TECHNICAL SKILLS

Programming Languages: Python, C/C++, TypeScript/JavaScript, Java, SQL, PHP, HTML/CSS

Frameworks & Libraries: React, Next.js, Django, Flask, Tailwind CSS, Bootstrap, tRPC, PyTorch, pandas, NumPy

Tools & Technologies: Git, Docker, CI/CD, REST APIs, API Integrations, Databricks, OpenAI API, Gemini, Google ADK/A2A, AI Agents, Workflow Automation, Monitoring, Claude Code, GitHub Copilot

Coursework: CS50x (Harvard), CodePath TIP102 (Technical Interview Prep), AI4ALL Ignite Program

Spoken Languages: German (Native), English (Fluent/C2)

EXPERIENCE

Software Engineering & Developer Advocacy Intern

Twilio

June 2026 – Present

Remote, US

- Engineering an end-to-end feedback intelligence platform that retrieves developer-community signals from **Common Room via MCP**, categorizes recurring product complaints, and serves searchable insights through a full-stack internal dashboard.
- Containerizing scheduled ingestion and analysis workflows as **Kubernetes CronJobs** on Twilio's **OTK** platform and designing the data layer for internal AI research agents; completed SWE onboarding in DevOps, CI/CD, observability, and incident debugging.

Software Engineering Student Fellow

Databricks

June 2026 – Present

Remote, US

- Selected as one of **36 inaugural fellows** from **5,800+ applicants** (<1% acceptance) for technical project experience, campus leadership, and data/AI impact.
- Learning Databricks engineering workflows through SWE mentorship and expert-led training while bringing Databricks to UCF's **1000+** Knight Hacks campus community through a hands-on data/AI workshop.

Software Engineering Fellow

Google x BASTA Code2Career

June 2026 – Present

Remote, US

- Selected for a **10-week** SWE fellowship with **1:1 mentorship from a Google Software Engineer** to strengthen technical interviewing, engineering execution, and real-world SWE practices.
- Practicing **data structures, algorithms, OOP**, mock interviews, and code review simulations to improve problem-solving speed, correctness, and technical communication for SWE interviews.

Software Engineer & Hackathon Organizer

Knight Hacks, University of Central Florida

Jan. 2026 – Present

Orlando, FL

- Organize **Knight Hacks**, a **1000+ attendee hackathon**, by coordinating sponsors, logistics, volunteers, workshops, judging, and operations for UCF's largest builder event.
- Develop full-stack features in the **Knight Hacks monorepo** with **Next.js, React, TypeScript, and tRPC**, powering websites, applications, and alumni tools for a **1000+ user community**.
- Ship reliable production features through **GitHub issues, pull requests, code reviews**, CI/CD workflows, and documentation to improve maintainability across student engineering teams.

Software Engineering Research Intern

APPLESEEd Lab, University of Central Florida

June 2025 – Sept. 2025

Orlando, FL

- Fine-tuned **CodeBERT** on **10,000+** Linux kernel commits, achieving **F1 = 0.69** on risky-change classification and demonstrating feasibility for AI-assisted commit risk analysis in software engineering.
- Mapped **git** commits to public **CVE** records, creating supervised security-risk labels that improved classifier training data.

Software Development Intern

INSCOPUS GmbH

Aug. 2020

Munich, Germany

- Built an internal **PHP, JavaScript, HTML, and CSS** documentation portal with an upload pipeline for **25+ employees**, automating product-doc publishing, reducing manual update effort by **60%**, and delivering a working MVP in **2 weeks**.

PROJECTS

CrisisLens | *TypeScript, React, Next.js, Tailwind, Databricks, Three.js, Pandas, NumPy, PyTorch*

Feb. 2026

- Won **1st place out of 234 teams** in the **Databricks Geo-Insight Challenge** at Georgia Tech's Hacklytics 2026 by building an AI-assisted crisis prioritization platform.
- Engineered a full-stack intelligence app with **Next.js, React, TypeScript, and Three.js**, letting analysts explore humanitarian risk on an interactive **3D globe** for faster triage.
- Used **Databricks SQL Warehouse, Genie**, and **PyTorch** to turn natural-language questions into SQL insights and crisis-impact simulations for funding analysis.

slAIde | *Python, Google ADK (A2A), Gemini 2.5 Flash, Next.js/React, Tailwind, LaTeX*

Oct. 2025

- Built a backend-driven **multi-agent** system that converts stories into **HTML5** slide decks or **LaTeX**-compiled PDFs from one prompt, helping users create polished deliverables faster.
- Implemented **Agent-to-Agent** orchestration with **Google ADK (A2A)**, Gemini 2.5 Flash, validation, health checks, and timeout+retry guardrails to improve reliability.

HireTune AI | *Django, React, OpenAI, TypeScript, Docker, Figma*

April 2025

- Built an ATS-aligned resume tailoring platform with **React, Django, OpenAI, and LaTeX**, generating role-specific drafts in **under 10 seconds** and reducing manual reformatting with live AI edits and 1-click PDF export.
- Added Discord OAuth and a job tracker, then shipped a production-ready MVP in **36 hours** with a **4-person** team using **Docker** for reproducible demos.