

Faisal Alsayyari

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EDUCATION

Bachelor of Science in Computer Science

Anticipated Graduation: December 2027

Purdue University

West Lafayette, IN

- Coursework: CS 252 (Systems Programming), CS 307 (Software Engineering), CS 250 (Computer Architecture), CS 251 (Data Structures), CS 240 (C Programming)
- Recipient of the KGSP full-tuition scholarship.

EXPERIENCE

Software Engineer Intern

June 2026 - Present

Text Blaze (YC W21)

Remote

- Incoming full stack engineering intern, joining Summer 2026.

Founder & Creator - Faisal's Devlog (YouTube)

May 2025 - Present

- Built a fast-growing YouTube channel focused on computer science content. Joined YouTube Partner Program after publishing 4 videos in only 5 weeks.
- Researched, wrote, scripted, and edited long-form content ranging from building machine learning (ML) algorithms in PyTorch and TensorFlow to numerical algorithm benchmarking in C/C++.
- Utilized Adobe Photoshop and Adobe Premiere Pro for thumbnail design and video editing.
- Currently at **9.4K+ subscribers**, **800K+ views**, and **8 videos**.
- [Link to my YouTube channel, "Faisal's Devlog"](#)

Research Intern

July 2023 - May 2024

TRYSL TECH

KAUST, Thuwal, Saudi Arabia

- Ran ~50 device simulations across a 5-dim parameter space (doping concentration, dielectric constant, work function, nanowire length, bridge count) with Synopsys Sentaurus TCAD.
- Analyzed ON/OFF ratio, subthreshold swing, and off-current to identify optimal configurations across different applications.
- Presented findings at [ISEF 2024](#) in the embedded systems category.

FEATURED PROJECTS

Thoughts – Solo Developer

April 2026 - Present

- Built canvas-based AI chat interface with branching nodes and inheritable context, deployed on Vercel.
- Architected graph layer with React & TypeScript; persisted conversation trees client-side with IndexedDB.
- Integrated Google GenAI SDK via serverless Vercel API routes; instrumented Redis analytics for session and interaction tracking.

Lock-in – SCRUM Master, Software Engineer (4 team members)

January 2026 - May 2026

- Built a full-stack end-to-end encrypted digital vault using React, Node.js, and Supabase.
- Designed REST API across client-server protocol with Express framework.
- Implemented encryption & sharing with Web Crypto API, adhering to minimum trust principles.

HONORS & AWARDS

Recipient – 6th Place at the National Science & Engineering Fair

February 2024

- Ranked 6th place nationally out of 1,700 competitors, invited to the ISEF qualifying workshop.
- 1 of 35 students selected to represent Saudi Arabia at ISEF 2024.

SKILLS

Languages: C, C++, Python, JavaScript, TypeScript, Java, Bash

Frameworks: React, Next.js, Node.js, Express, Supabase

Concepts: Linux, UNIX, HTTP, REST APIs, CI/CD, Distributed systems, IndexedDB

Tools: Git, Docker, Kubernetes, Redis, Vercel