Elias Al-Sumairi

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Available for internship: March to August 2027

SUMMARY

Computer Science undergraduate at Universiti Antarabangsa Albukhary (AIU), graduating 2027, seeking a full-stack software engineering internship. Strongest in TypeScript, React/Next.js, Node.js and PostgreSQL; led a four-person team to a 2nd Place Prize at MMC Upstart 2026 with Voluntree and am building Brokely, an offline-first Android app.

TECHNICAL SKILLS

Strong: TypeScript, JavaScript, Python, React, Next.js, Node.js, PostgreSQL, Supabase, SQL, Git
Working knowledge: React Native, Expo, Fastify, Express, SQLite, Drizzle, Zod, Tailwind CSS, Vitest, Playwright, GitHub Actions CI, Vercel
Familiar: Docker, Azure Container Apps

PROJECTS

Voluntree: Fair Campus Volunteering | Team lead and developer October 2026
Live demo | GitHub

- Led four developers to build and deploy a full-stack platform (Next.js, TypeScript, Supabase) that won 2nd Place Prize in Catalyst: Igniting Future Innovation (MMC Upstart 2026). It fills campus volunteer slots fairly: an LLM drafts missions from event announcements, a transparent score favours students with fewer past opportunities, and approved attendance issues a PDF certificate.
- Prevented overbooking at the database level with PostgreSQL row-level security and locking functions, so capacity is never exceeded and a repeated approval changes nothing; backed by 293 automated tests.
- Added an LLM (Groq) step with Zod-validated output and mandatory human review before anything is published.

Brokely: Student Expenditure Planner | Solo project 2026 to present
GitHub

- Designed offline-first sync (outbox, idempotent pushes, conflict handling) and tested it between two simulated phones.
- Building the Android app (React Native, Expo, SQLite) with a Fastify and PostgreSQL sync API deployed to Azure Container Apps through GitHub Actions; release 0.1 is in testing.
- Stores money as whole sen and keeps every business rule in a pure, unit-tested package traced to requirement IDs in a written specification.

Insightly: Drop a CSV, Get the Story | Solo project 2026
Live demo | GitHub

- Built a browser-only CSV profiling tool (Next.js, strict TypeScript) that scores data quality, charts distributions and exports PDF, HTML and Markdown reports, with a virtualised table for 50,000+ rows; parsing runs in a Web Worker so files never leave the browser (privacy is verifiable in DevTools).
- Covered by 226 unit and component tests and 16 Playwright end-to-end tests, with GitHub Actions CI.

Integrated AI-IoT Platform for Community Composting | Group project (3), frontend and testing In preparation

- Building the dashboard, data visualisation and testing for an ESP32 and LoRa compost-monitoring system with AI/ML anomaly detection.

RESEARCH

Gamification and data-cleaning performance among data science students | Journal paper | In preparation

EDUCATION

Bachelor of Computer Science | Universiti Antarabangsa Albukhary (AIU), Malaysia 2024 to 2027 (expected)

- CGPA: 3.83/4.00

LEADERSHIP

Head of Public Relations & Media | Team United December 2025 to present

- Lead communication and issue resolution for community and advocacy campaigns and coordinate international volunteer teams across cultures and time zones.
- Co-lectured the Microsoft Excel class in a Microsoft Essentials course (2 sessions, 30 participants).

Maybank #Mbassador 2026 | Maybank April 2026 to present

- Selected to represent Maybank's brand initiatives on campus and drive student engagement.

CERTIFICATIONS

IBM on Coursera (React; Node.js); Learn Accessible Web Design; AI For MY Future; Teaching English as a Second Language

LANGUAGES

Arabic (native) | English (full professional) | Malay (elementary)