

FYKE SIMON V. TONEL

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Education

STI College Caloocan

2022 – Present

Bachelor of Science in Computer Science

Caloocan City, Metro Manila

- Current Cumulative GWA: 1.27
- Best Thesis, Bachelor of Science in Computer Science (Campus-wide – ICTE Symposium), 2024-25
- Best Methods of Research Project, Bachelor of Science in Computer Science (Campus-wide – ICTE Symposium), 2024–25
- Entrant, Codefest (Local – Tagisan ng Talino), 2024–25
- President’s Honor (STI Academic Center – Academic Honors), 2022 – Present
- Alumni Scholar (Awarded for High Honors in Senior High; 50% scholarship in college)

Projects

Revo: Productivity & Study Companion Application

December 2025 – Present

React, Next.js, TypeScript, Tailwind CSS, Supabase, PostgreSQL, Spotify Web API

Lead Developer

- Engineered a full-stack productivity suite featuring an integrated calendar, note-taking, and customizable study timers.
- Programmed specialized learning modules for Pomodoro, 52/17, and Deep Work methodologies.
- Integrated Spotify Web API to enable seamless, in-app music library streaming.

Locker: Advanced Media Hiding & Security Application

November 2025 – Present

Flutter, Dart

Lead Developer

- Developed a secure vault for media and documents using AES encryption.
- Built a decoy file system and brute-force mitigation to prevent unauthorized access.
- Implemented an auto-kill background feature to ensure immediate privacy protection.

PASADA: Ride-Hailing & Fleet Management Ecosystem

December 2024 – November 2025

Flutter, TypeScript (Bun/Deno), React, Supabase, Google Cloud Platform

Lead Full-Stack Developer

- Architected a 4-app ecosystem connecting passengers, drivers, and fleet administrators.
- Built a predictive analytics pipeline providing 7-day traffic and booking forecasts.
- Integrated Gemini API to transform complex traffic data into actionable summaries for users.
- Developed mobile apps with real-time Google Maps analytics and a web-based live ride-tracker.

Experience

Back-End Developer (Intern)

January 2026 – Present

Inspire Holdings Inc.

- Contributing to diverse client projects by developing scalable server-side logic and database structures.
- Collaborating with the IT team to adapt and implement custom backend solutions tailored to specific client requirements.

Skills

Languages: TypeScript, Dart, JavaScript, SQL, Rust

Databases/Runtime/Tools: PostgreSQL, Supabase, QuestDB, Bun, Deno, Node.js, Git, GitHub

Cloud/Backend/AI: GCP, Firebase, Express.js, Fly.io, Gemini API

Frontend/Mobile: Flutter, React, Next.js, Tailwind CSS, MapLibre GL JS