

ANGELO MIRANDA

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SUMMARY

Computer Science graduate with hands-on experience in software development and IT support through corporate and government roles and more than 10 academic and personal projects. Experienced in building full-stack web, desktop, and AI-integrated applications that address practical user and business needs. Combines problem-solving, UI/UX awareness, technical troubleshooting, and collaborative development skills to create reliable, intuitive, and impactful software solutions.

EDUCATION

Tarlac State University

August 2022 – July 2026

Bachelor of Science in Computer Science

Tarlac City, Tarlac

- Graduated cum laude with a 1.4833 GWA. Consistent Dean's Lister. Developed more than 10+ academic software projects using diverse technology stacks, including web applications, desktop applications, and microservices.

EXPERIENCE

Trackerteer Web Developer Corporation

June - August 2025

Software Developer Associate & IT Support Associate – Internship

Clark City, Pampanga

- Developed automated media-processing scripts that converted images into optimized WebP files and transcoded videos into platform-compatible MP4 files, reducing manual image-processing time and streamlining the preparation of video evidence for incident reports.
- Diagnosed and resolved authentication issues by investigating CAPTCHA-related errors, helping restore reliable user access to the platform.
- Provided technical support by diagnosing hardware malfunctions, performing system upgrades, and resolving operating system errors, improving device performance and minimizing operational disruptions.
- Investigated Trackerteer platform connectivity issues by analyzing application behavior, hosting configurations, ISP-related factors, and network architecture, helping isolate the root cause and produce technical documentation to support resolution.

Local Government of Tarlac – IT Department

June – November 2023

Software Developer Associate – SPES

Tarlac City, Tarlac

- Built a program that reduces the encoding of resident vaccination-certificate records, replacing repetitive manual entry with a faster and more consistent workflow.
- Created Figma interface designs for the Tarlac local government website, helping shape a clearer and more usable public-facing experience.

JAQ MOTO Enterprise

January – March 2022

Marketing Manager & Graphic Designer – Work Immersion

Tarlac City, Tarlac

- Created e-commerce-ready product graphics and promotional materials for motorcycle parts, sponsored gaming tournaments, and marketing campaigns, transforming raw assets into consistent brand content.
- Redesigned the company logo and led the conceptualization and visual identity of an original product establishing a clearer brand direction and supporting its market positioning.
- Developed structured Microsoft Excel trackers to organize operational information and improve day-to-day record management.

PROJECTS

Questia – Thesis Project

January – April 2026

Led the design and full-stack development of Questia as the Scrum Master, an AI-powered academic e-library built with React, Tailwind CSS, Django, REST APIs, and PostgreSQL. Integrated Sentence-BERT, FAISS semantic search, and a hybrid recommendation engine to provide context-aware discovery and personalized recommendations across 189,979 academic resources. The system achieved a 100% functional test pass rate, 77.2% Precision@25, and 71.9% NDCG@25.

Pixel Generated – Freelance

August – October 2025

Designed and developed a responsive printing-business website using Astro, React, TypeScript, and Tailwind CSS. Built a structured product-and-service catalog, reusable interface components, and integrated social media links, making it easier for customers to explore available services and connect with the business online.

SKILLS

Technical Skills: MacOS, Java, Python, TypeScript, VB.Net, HTML, CSS, Javascript, React.js, Tailwind CSS, Django, Django REST Framework, PostgreSQL, Supabase, RESTful APIs, Sentence-BERT, FAISS, Git, GitHub, Azure, Agile Scrum, Electron, Docker, Figma, and Notion.

CERTIFICATIONS

- Sololearn: Introduction to Java (Credential ID: CC-MEJNIE6Y)
- Sololearn: Introduction to Python (Credential ID: CC-FEMOHGFS)
- CCNA: Introduction to Networks (Credential ID: f9a7238c-3358-4f11-97a9-3a834d84e642)
- CCNA: Switching, Routing, and Wireless Essentials (Credential ID: 4ccf2772-762b-473c-8afc-b604a49f6665)