

Jesslyn Trixie Edvilie

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jesslyntrixie.vercel.app | Tangerang, Indonesia

Summary

Learner focusing in iOS development at the Apple Developer Academy and final-year Computer Science student at BINUS University (GPA 3.99/4.00). Builds native iOS apps in UIKit and SwiftUI, with hands-on experience in MVVM, SwiftData, Core ML, Vision and unit testing. Also builds full-stack apps with REST APIs, authentication and payment integration. Published AI researcher (IEEE ICORIS 2026, ICCSCI 2025) and fluent in English, Indonesian and Mandarin.

Education

Apple Developer Academy | Cohort 9

Learner focusing in iOS development

Tangerang, Indonesia

Mar. 2026 – Dec. 2026

BINUS University | GPA: 3.99/4.00

Bachelor of Computer Science, Specialization in Intelligent Systems

Jakarta, Indonesia

Aug. 2023 – Feb. 2027

Technical Skills

iOS: Swift, UIKit (programmatic), SwiftUI, SwiftData, Core ML, Vision, NaturalLanguage, App Intents, PhotoKit, Swift Testing, Xcode

Architecture & Practices: MVVM, MVC, OOP, protocol-oriented programming, dependency injection, GCD and async/await, unit testing, Git

Full-Stack: Node.js, Express, REST API design, authentication (JWT, Supabase Auth), payment integration (Midtrans), React, Next.js, React Native, Tailwind CSS

Data & Infrastructure: PostgreSQL, SQLite, MongoDB, MQTT, Docker, nginx

Programming Languages: Swift, JavaScript, Python, Java, C, SQL, HTML, CSS

AI/ML: PyTorch, TensorFlow, scikit-learn, OpenCV

iOS Projects

Glozi | *UIKit, Vision, NaturalLanguage, SQLite, App Intents, Swift Testing*

Sep. 2026

Solo iOS Developer

Apple Developer Academy

- A reading companion for Chinese learners: screenshot any screen, tap the word that stopped you, keep reading.
- Built the interface in programmatic UIKit, with a zoomable reader that maps each tap to the exact character.
- Used Vision for OCR and NaturalLanguage for word segmentation, with an offline SQLite dictionary for lookup.
- Added an App Intent so one press of the Action Button screenshots any app and opens it in Glozi, and unit tested the lookup logic with Swift Testing.

Pro-Potion | *SwiftUI, MVVM, SwiftData, Core ML, Vision*

Apr. 2026 – May 2026

Product Owner & iOS Developer, Team of 6

Apple Developer Academy

- Helps beginner artists learn face proportions by overlaying guide lines on faces in reference photos.
- Wrote about 60% of the code, building the app around a teammate's Core ML face-detection pipeline.
- Built navigation with UINavigationController and an observable router, routing face detection to result and error screens.
- Persisted scans with SwiftData, wrapped UIKit's camera picker for SwiftUI, and built most screens from team's design.

Dear Ducky | *SwiftUI, SwiftData, Gestures, Animation, Haptics*

Mar. 2026

Solo iOS Developer

Apple Developer Academy

- A wellbeing journal where users fold a written worry or win into a paper plane and send it to their future self.
- Built the folding animation from custom SwiftUI shapes, driven by drag gestures, springs and haptics.
- Stored letters on device with SwiftData, with no account or network needed.

Backend & Full-Stack Projects

BookPark <i>Node.js, Express, REST API, SQLite, MQTT, Docker</i> <i>Product Owner & Backend Developer, Team of 6</i>	Jun. 2026 – Jul. 2026 <i>Apple Developer Academy</i>
• A parking reservation system: drivers book a spot in an iOS app, and a hardware lock holds it until they arrive. • Built the REST API behind the iOS app and wrote the API contract for the iOS developers. • Controlled the parking lock hardware over MQTT with TLS and deployed the service with Docker and nginx.	
BeeGrub <i>React Native, Supabase, PostgreSQL, Node.js, Express, Midtrans</i> <i>Sole Developer, Group Project</i>	Sep. 2025 – Jan. 2026 <i>BINUS University</i>
• A food pre-order app that lets BINUS students skip canteen queues, with separate views for students, vendors and admin. • Built the app in React Native, with Supabase Auth for login, email confirmation and password reset. • Built a Node.js QRIS payment service with Midtrans that verifies each payment notification before updating orders.	

Experience

Laboratory Teaching Assistant <i>BINUS University (Bina Nusantara University)</i>	Sep. 2024 – Jan. 2025 <i>Malang, Indonesia</i>
• For the Algorithm and Programming course, led weekly hands-on lab sessions for over 60 students, teaching fundamental concepts of algorithms and programming logic in C. • For the Commercializing Emerging Technology course, collaborated with the lead lecturer to conduct weekly lab sessions for over 40 students, guiding them on the practical application of emerging technology for business model creation.	

Publications

Edvilie, J.T. , Darmadi, B. J., <i>et al.</i> “Cross-Output Saliency Comparison for Multi-Output Image Regression in Nutritional Estimation”, IEEE (ICORIS 2026). First author; accepted, publication pending in IEEE Xplore.	
Teguh, S. P., Edvilie, J.T. , <i>et al.</i> “Enhancing Decision Tree Performance through Stacking Ensemble Learning for Sentiment Analysis”, Procedia Computer Science (ICCSCI 2025), Second author.	

Awards & Honors

Dean’s List 2025 <i>School of Computer Science, BINUS University</i>	Jakarta, Indonesia <i>Dec. 2025</i>
2nd Winner Mandarin Story Telling Zhongwen Bisai 2024 <i>Universitas Negeri Malang</i>	Malang, Indonesia <i>June 2024</i>
2nd Place Winner, Mandarin News Reading Competition <i>Pusat Bahasa Mandarin, Universitas Negeri Malang</i>	Malang, Indonesia <i>November 2024</i>

Certifications

Web Development • freeCodeCamp (2025): Backend Development and APIs; Relational Database; Data Visualization; Front End Development Libraries; JavaScript Algorithms & Data Structures, Responsive Web Design.	
Python and Artificial Intelligence • Harvard CS50 (2024): Introduction to Python; Introduction to Artificial Intelligence with Python. • NVIDIA Deep Learning Institute (2024, 2026): Fundamentals of Deep Learning, Building LLM Applications with Prompt Engineering.	

Languages

English (Professional Working Proficiency)	Mandarin Chinese (Advanced Proficiency)
Indonesian (Native)	