Syafino Yunalfian

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Education

University of Illinois at Urbana-Champaign **May 2027**
Bachelor of Science in Statistics | Minor in Computer Science GPA: 3.89/4.00
Parkland College **Aug 2023 – May 2025**
Associate in Science, Computer Science GPA: 3.89/4.00
- **Honors:** Dean's List (Spring 2023, Fall 2025), Honors Program

Relevant Courseworks: Database Systems, Computer Systems, Data Structures & Algorithms, Intro to Computer Science Series, Discrete Math, Computer Prog, Calculus Series

Technical Skills

Programming: C, C++, Python, Java, JavaScript, HTML5, CSS, SQL (MySQL, PostgreSQL, Oracle), Dart, R
Frameworks & Tools: Git, Docker, AWS, React.js, Node.js, MQTT, Flutter, Android Studio, Xcode, Pandas, NumPy, Matplotlib, Scikit-learn, Jupyter, Microsoft Office, PyTorch, TensorFlow, OpenCV, Flask, GCP
Hardware & OS: Raspberry Pi, Linux, MacOS, Windows

Projects

Framelight: AI-Powered Mobile Camera Assistant | *PyTorch, TensorFlow, OpenCV, Flutter* **Sep 2025 - Current**
- Work on the Machine Learning architecture team, developing on-device models for real-time visual guidance in mobile photo composition
- Build and optimize computer vision pipelines such as object detection, depth estimation, saliency mapping for real-time mobile inference

Multi-Agent AI Healthcare Assistant | *Python, LangGraph, RAG, React native, Flask* **Sep 2025 - Current**
- Develop and fine-tune multi-agent ML pipelines using GPT-5 and MedPaLM APIs with RAG for explainable, personalized healthcare guidance
- Integrated models into a conversational web/mobile app with speech support, secure user profiles, and real-time interactive recommendations

PokéSight: Smart Pokémon Go Map | *Python, FastAPI, PostgreSQL, HTML, CSS* **Aug 2025 - Current**
- Develop a data-driven web application that allows users to strategically search for Pokémon based on type, rarity, and stats around a user specified area with GCP
- Responsible for CRUD operations for community-reported sightings, ensuring efficient data interaction with the PostgreSQL database

C++ Web Apps: Checkers | *C++, HTML, Javascript, Linux, CSS* **Sept 2024 - Jan 2025**
- Built a desktop-focused website using a CGI hosted on Parkland's Linux servers and move updates are handled through a temporary txt file and the table is represented as a 2D Array
- Used AJAX to handle client-side move control, with a performance-optimized C++ backend (Awarded Scholarship)

Experience

Garg Research Group | University of Illinois at Urbana-Champaign **Sep 2025 – Current**
Software Engineer & Automation Research Assistant *Champaign, IL*
- Developed the GUI and automation software for a device that accelerates cement R3 reactivity test time from 7 days to 30 minutes
- Integrated Raspberry Pi hardware with real-time data acquisition and visualization using React.js, Node.js, PostgreSQL, Python, Linux and MQTT

Association for Computing Machinery (ACM) | SIG Mobile **Aug 2025 - Current**
Project Backend Lead *Champaign, IL*
- Lead backend development for an 8-member team, mentoring members on Flutter, Dart, Android Studio, and widget-based UI development
- Designed and implemented relational database architecture for an app for student services in UIUC (PostgreSQL)

SAPA Indonesia **Nov 2023 – May 2025**
CTO & Remote Front-End Developer *Remote*
- Led the front-end development and UI/UX design for a job-matching mobile platform (Funded & Legalized Indonesian Startup; project later concluded), collaborated with an international team of developers and designers.
- Translated high-fidelity UI designs into responsive HTML and CSS through a shared GitHub repository