Patrick James S. Lauron

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EDUCATION

De La Salle University – Dasmariñas Dasmariñas, Cavite

Bachelor of Science in Information Technology – Web Development Track Expected 2027

- Cumulative GPA: 3.64/4.0 | First Honors Dean's Lister, 2023 – Present

Emilio Aguinaldo College – Cavite Dasmariñas, Cavite

Senior High School, STEM Strand 2021 – 2023

- Grade 12: With Honors; Grade 11: With Honors

WORK EXPERIENCE

Backend AI Engineering | FlyRank AI (Remote) Sep 2026 – Present

- Researched and benchmarked state-of-the-art ML models, LLMs, and retrieval techniques to improve AI search and ranking systems
- Built and evaluated ML pipelines in Python, measuring model performance through experimentation, evaluation metrics, and error analysis on large-scale datasets for RAG and NLP workflows
- Prototyped and validated AI solutions in collaboration with ML engineers and software developers, translating research findings into scalable, production-ready features

Freelance Video Editor & Graphic Designer | Self-employed (Remote) Mar 2026 – Apr 2026

- Edited promotional and social media videos to support marketing content
- Designed graphics for social media posts and marketing materials
- Delivered content on a recurring schedule to support consistent posting

PROJECTS

AniSkolar: Scholarship Management System for De La Salle University – Dasmariñas May 2026 – Present

Undergraduate Capstone | React, TypeScript, Vite, Tailwind CSS, Node.js, Express, MongoDB, Clerk Auth

- Built a full-stack web platform for university scholarship management to simplify student applications and automate administrative review processes
- Developed a REST API with Express and MongoDB, using GridFS for document storage and Clerk-based session validation for secure authentication
- Automated report generation and data tracking, cutting down manual paperwork, entry errors, and processing time for administrators
- Created a student dashboard with GPA and duty-hour calculators to help scholars track academic requirements and progress in real time
- Integrated Microsoft SSO authentication with dynamic student/admin portal routing based on profile status

Travelogue: Travel Planning Companion Dec 2025

Personal Project | React, React Router, Axios, Leaflet Maps, SerpAPI, TripAdvisor API

- Built a full-stack travel planning platform combining flight search, hotel booking, and itinerary management in one application
- Integrated SerpAPI and TripAdvisor API to pull real-time flight pricing and hotel data into a unified booking flow
- Implemented an interactive itinerary view with Leaflet Maps for exploring destinations, nearby attractions, and landmarks
- Designed a responsive, accessible interface (WCAG 2.1) with print-friendly booking confirmations
- Added secure user authentication with email/password and social login (Google, Facebook, Apple)

LEADERSHIP EXPERIENCE

Legislative Councilor | CICS Student Government, DLSU-D Aug 2025 – Present

- Drafted, proposed, and passed ordinances promoting the general welfare of the college and its students
- Consulted with students and stakeholders to gather input and identify issues before drafting legislation
- Reviewed and deliberated on proposed ordinances, monitoring compliance and recommending amendments as needed

Co-Director, Technical and Media Management Committee | CICS Student Government, DLSU-D Aug 2025 – May 2026

- Led a 14-member committee overseeing photo/video documentation and media archiving for organizational events
- Curated and edited visual content for promotional materials, social media, and official publications
- Established media file naming, storage, and backup protocols for institutional record-keeping

TECHNICAL SKILLS

Web Development: React.js, TypeScript, Node.js, Express.js, PHP, C#, .NET, Tailwind CSS

Databases & Version Control: MongoDB, Git, GitHub

Media & Design: Video Editing, Image Editing, Photography, Videography, Adobe Creative Suite

Leadership & Management: Organizational Leadership, Legislative Drafting & Ordinance Review, Committee Management

Office & Productivity Tools: Microsoft Excel, Microsoft Word

CERTIFICATIONS & AWARDS

Certifications: Network and Cybersecurity Fundamentals; Introduction to Cybersecurity Awareness (HP LIFE, 2026); Wonders and Perils of Artificial Intelligence & Emerging Technology; Professional Networking for Career Growth (HP LIFE, 2026); TOEIC 900 – C1 Advanced (Princeton Assessments & Training, Inc.); Cisco Packet Tracer; Python Essentials 1

Awards: Excellence in Leadership: Legislative Councilor (2026); Excellence in Leadership: Committee Member of the Year (2025)