

Erdhy Ernando Davis

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Education

Universität Duisburg-Essen

B.Sc – Bachelor Electrical and Electronics Engineering

Expected May 2025

Universitas Indonesia

S.T – Bachelor Electrical Engineering

Expected May 2025

Organization: TEDxUniversitas Indonesia

GPA: 3.60/4

Experience

IT Coordinator, Nera Aventour – Bogor, Indonesia (Remote)

Mar 2024 – Present

- Developed a "Coming Soon" website with a functional form for vacation requests, while configuring email accounts and Google Workspace to enhance team communication and operational efficiency.
- Implemented Notion as a centralized management platform and supported marketing initiatives by creating engaging videos and designs to improve brand communication and productivity.

IT Intern, Atlas Adjusting Indonesia – Jakarta, Indonesia

Aug 2022 – Oct 2022

- Assisted in developing an internal web application to replace Excel-based processes, while resolving filing system issues through strategic file organization and data recovery.
- Conducted research on innovative technologies, including 3D mapping solutions, to evaluate and propose improvements for the company's service quality and technological adaptability.

Video Editor, Trident Digital – Singapore (Remote)

Apr 2020 – 2021

- Enhanced video content for financial advisor clients by editing long-form and short-form videos, creating compelling narratives with high-quality production values that increased viewership by an average of 70%.
- Collaborated closely with a team of 5 editors to refine video quality, simultaneously managing multiple projects while maintaining exceptional attention to detail and meeting strict deadlines.

Projects

Robotic System Interface using Raspberry Pi 4B

github.com/ErdhyErnando

- Optimized system architecture by migrating from a dual-laptop setup to a single Raspberry Pi 4B, developing a full-stack web application with role-based authentication and real-time monitoring using Flask, WebSocket, and Chart.js.
- Created a modular file management system with interactive GUI, enabling remote control and Python script execution for robotic systems, significantly improving operational efficiency and accessibility.

Nera Aventour Website

neraaventour.com

- Developed and deployed a responsive "Coming Soon" website using HTML, CSS, and JavaScript, implementing smooth scroll animations and seamlessly integrating Google Sheets API for efficient form data collection.
- Managed full website lifecycle by configuring custom domain and leveraging Vercel for streamlined deployment, ensuring optimal performance and accessibility.

Content Creation

youtube.com/@erdhyernando

- Produce and host technology review and engineering project videos, reaching over 165 subscribers and 22.000 total views, demonstrating technical communication and video production skills..
- Developed end-to-end video production workflow, including comprehensive pre-production, technical script writing, and post-production editing to create high-quality, informative tech content.

Skills

Programming: Python, C++, HTML, CSS, JavaScript/TypeScript

Web Development: React, Flask, Next.js, SQLite, MySQL

Content Creation: Premiere Pro, Photoshop, Lightroom, Figma, CapCut, Canva

Language: Bahasa Indonesia (Native), English (IELTS 7.0), German (B2 in progress)