DESWANDY WONG

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PROFILE

A computer engineering undergraduate curious in web development and UI/UX design with a year of experience as a frontend and backend developer. I am also interested in innovative IoT devices that contribute to making the world a better place to live in.

EXPERIENCES

MAXIMA UMN 2025, UMN
Website Development with 6 members and 1 partner
Website Coordinator | Fullstack   1/2025 – 9/2025
- Coordinated the development workflow over 8 months, ensuring smooth collaboration among 6 team members.
- Managed frontend architecture and implemented React.js components, improving site navigation and user experience.
- Developed user-friendly interfaces, improving site navigation by 60%, creating a faster and smoother experience compared to last year's.
- Contributed to backend troubleshooting using Express.js, resolving critical performance and routing issues.
- Optimized CI/CD pipeline using GitHub Actions and Docker, reducing deployment time from 30 minutes to 5 minutes and enabling critical bug fixes faster.
- Integrated Google OAuth2 to make onboarding and registering easier and smoother experience to users.
- Integrated React Query to enhance data fetching efficiency and developer workflow, reducing redundant API calls and improving frontend performance.
- Designed and implemented RESTful APIs to ensure reliable communication between frontend and backend, improving maintainability and scalability of the system.

ASSOCIATION OF COMPUTER ENGINEERING STUDENTS GEN XV, UMN
Vice President and Academic Division Supervisor, with 18 members
Vice President   1/2025 – 12/2025
- Lead a workshop collaborating with NVIDIA to SMK ASISI with the theme of AI innovations, increasing UMN's Computer Engineering engagement with the public.
- Improved students' scores by approximately 20% through a community-driven study group.
- Coordinated a company visit for computer engineering undergraduates, enabling 39 students to gain valuable industry insights.

INFORMATICS AND ENGINEERING FACULTY, UMN
Object Oriented Programming Lab
Laboratory Assistant   1/2025 – 6/2025
- Taught object oriented programming using Java

ORIENTASI MAHASISWA BARU 2024, UMN
Frontend Developer with 7 members
Frontend Developer   2/2024 – 10/2024

- Developed reliable and sustainable code for 2 projects, consistently meeting tight deadlines and delivering robust solutions.
- Implemented innovative design solutions that enhanced information clarity for over 2,000 users.

EDUCATION

Multimedia Nusantara University – Gading Serpong, Tangerang

Computer Engineering   8/2023 – Current

GPA: 4.00/4.00

Relevant coursework: Web development, Embedded Systems, Mobile Pervasive Computing, Object Oriented Programming, Algorithm and Data Structure, Computer Networking, Computer Networking Management, Computer Networking Security, Database Systems, Image Processing

SMAS Permai Jakarta   **5**/2023

Natural Sciences

SKILLS

TECHNICAL SKILLS

- Proficient in front-end framework React.js and back-end framework Laravel and Node.js
- Able to create reliable database design with MySQL
- Experiences in IoT engineering using C/C++ on Arduino and ESP32
- Strong resource management in GitHub
- Able to implement Object Oriented Programming
- Experience in cloud services such as Cloudflare and DigitalOcean droplets
- Currently doing a project involving ML and DL using Python

SOFT SKILLS

- Strong team communication skills
- Skilled in team cooperation and collaboration
- Leadership in projects that require complex and effective teamwork
- Demonstrated ability to identify and solve problems in work environments.
- Willing to explore new technologies