

## **DESWANDY WONG**

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Jakarta Utara, Daerah Khusus Ibukota Jakarta, 14460

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## **PROFILE**

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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.

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## **EXPERIENCES**

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### **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**

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### **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

### **SMAS Permai Jakarta**

5/2023

Natural Sciences

## **SKILLS**

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### **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

### **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