

TIMOTHEUS FERDINAND TJONDROJO

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Green Garden Blok C3

As a Computer Science student, I possess a solid foundation across multiple software engineering paradigms. My experience spans web application development, object-oriented programming, and low-level systems programming, with proficiency in technologies like Python, PHP, Java, and C. My role as a Practicum Assistant has sharpened my ability to mentor, communicate technical concepts, and solve problems effectively. I am a quick learner, eager to contribute my skills to a dynamic team environment.

Education

Bukit Sion High School - Taman Kebun Jeruk Interkon

Oct 2019 - Sep 2021

Senior High School

Universitas Pertamina - Simprug, Jakarta Selatan

Aug 2022 - Aug 2026 (Expected)

Bachelor of Computer Science

- Entrusted with the two role of Teaching Assistant for Operating Systems and Object-Oriented Programming. This position involves a responsibility to simplify complex concepts and ensure students' practical understanding of two core pillars in computer science.

Work Experiences

Universitas Pertamina - Simprug, Jakarta Selatan

Mar 2024 - Aug 2024

Operating System Teaching Assistant

- Guided weekly lab sessions on implementing core operating system concepts using C in a Linux environment.
- Provided hands-on technical mentorship to students for coding, debugging, and analyzing programs with system calls.
- Clarified fundamental OS concepts for students, including processes, threads, and memory management.
- Collaborated with the course lecturer to develop and refine practicum modules, assignments, and learning materials.
- Assessed student code submissions for functionality, efficiency, and correctness of implementation, providing constructive feedback.

Universitas Pertamina - Simprug, Jakarta Selatan

Feb 2025 - Jul 2025

Object-Oriented Programming Teaching Assistant

- Led weekly lab sessions dedicated to implementing core Object-Oriented Programming (OOP) principles using Java.
- Offered direct, hands-on guidance to students for completing lab modules, troubleshooting problems, and debugging code.
- Partnered with the course lecturer to prepare and refine curriculum-aligned materials and assignments.
- Assessed and graded a variety of student submissions, including assignments, exercises, and take-home tasks, providing valuable feedback.
- Supported the seamless technical and administrative execution of all lab sessions.

Leadership & Organizational Experience

CITE UP 2023 - Jakarta Selatan

Oct 2022 - Sep 2023

External Relations Committee Member

- Served as the primary liaison, facilitating communication and building relationships between the event committee, media partners, and guest speakers.
- Supported the end-to-end partnership acquisition process, from initial outreach to securing formal agreements.
- Coordinated directly with speakers' management teams to negotiate terms and finalize participation details for the event.

CITE UP 2024 - Jakarta

Mar 2024 - Sep 2024

Technical Division Committee Member

- Managed all Audio/ Visual (AV) equipment, including microphones, sound systems, projectors, and screens, ensuring optimal performance throughout the event.
- Provided direct technical support to speakers and presenters, assisting with laptop connections, presentation files, and multimedia playback.
- Operated presentation slides and managed multimedia cues during sessions to ensure a smooth flow of content. Conducted pre-event setup, sound checks, and technical rehearsals to identify and resolve potential issues beforehand.
- Performed real-time troubleshooting of technical difficulties during the event to minimize disruptions.

AOT & CatchUP 8.0

Nov 2024 - May 2025

Task and Assessment Committee Member

- Designed and developed assignment materials and project prompts in alignment with the event's learning objectives.
- Managed the distribution of tasks and clearly communicated deadlines to all participants.
- Provided clarification and support to participants regarding assignment requirements and guidelines.

- Evaluated and graded participant submissions based on a standardized rubric, providing constructive feedback.
- Collaborated with other divisions to ensure that assignments were relevant to the content delivered by speakers or mentors.

Computer Science Student Association

Nov 2024 - Present

Head of Alumni Relations

- Directed a team within the Alumni Relations division to design and implement strategic programs that boosted alumni engagement.
- Initiated and executed various events connecting students with alumni, such as career sharing sessions, tech talks, and professional networking meetups.
- Built and maintained a comprehensive alumni database to facilitate communication and collaborative opportunities.
- Managed a mentorship program, successfully pairing students with experienced alumni in the tech industry for career guidance.
- Served as the primary liaison between the student association and the alumni network, reporting on divisional progress to the association's leadership.

Skills

- **Programming Language:** Python, Java, PHP, C, JavaScript, SQL, HTML/CSS, Dart
- **Framework:** Backend: Laravel (PHP), Flask (Python) , Flutter Frontend: Bootstrap, JavaScript (ES6)
- **Databases & Data Management :** Relational (SQL): MySQL, SQLite Query Languages: SQL Concepts: Database Design, Normalization, Query Optimization
- **Tools & Platforms:** Git & GitHub, Linux Environment , Firebase (Authentication & Database) , Telegram Bot API , Microsoft Power BI , Figma, Marvel
- **Core Competencies:** Object-Oriented Programming (OOP) , Operating Systems Principles , Data Structures & Algorithms , Security & Cryptography , Full-Stack Web Development
- **Professional Skills :** Leadership & Team Management , Mentoring & Technical Communication , Problem- Solving , Project & Organizational Management , Public Relations & Networking