

# William Theodorus Wijaya

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A passionate Data Science and Software Development Enthusiast with expertise in Artificial Intelligence (Tensorflow), Software Engineering, and full-stack capabilities in both frontend and backend technologies.

## PROFESSIONAL EXPERIENCE

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Bina Nusantara University, Bandung, Indonesia

February 2024 – January 2025

### Junior Part-time Laboratory Assistant

- Served as a **part-time assistant lecturer** at **Binus Bandung**, teaching **Introduction to Programming with Java** (covering **basic Java programming** and the **four pillars of OOP**) and **Algorithms & Programming** to **100 students** across **Computer Science and Creativepreneurship** programs.
- Designed **competitive programming problems** as weekly tasks for the **Online Judge platform**.
- Developed **final exam practicum cases** for **Introduction to Programming** and **Algorithms & Programming** courses.
- Acquired expertise in **Computational Biology, Scientific Computing, and Natural Language Processing (NLP)** through **post-training certification**, qualifying to teach these subjects.
- Specialized in **Web Design, Web Programming (Laravel), Basic Computer Networks, Database Design & Analytics (SQL), JavaFX, Java Design Patterns (Refactoring Guru), Algorithms & Data Structures**, qualifying to teach these subjects.

Bina Nusantara Computer Club

July 2024 – Present

### Activist and Staff

- **BNCC Elite Team:** Represented BNCC in programming competitions, serving in the Web Programming division during my first year and currently in the Data Mining division in my second year.
- **Research and Development Staff:** Applied SDLC principles while collaborating in a team to develop software solutions. Worked with *NextJS, ReactJS, NodeJS, and ExpressJS* to build applications addressing real-world problems.
- **Learning and Training Staff:** Managed the operations of backend and mobile programming bootcamp classes, ensuring smooth learning experiences for participants.

## EDUCATION

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Bina Nusantara University, Bandung, Indonesia  
Bachelor's Degree, Computer Science  
GPA : 3.97

September 2023 – Present

### Scholarship Mentor

- **Guided and supported four peers** in their studies, leading to significant improvement in their academic performance.
- **Designed and conducted engaging online class sessions**, attracting nearly **30 participants** eager to learn.
- **Delivered lessons on advanced topics**, including **Artificial Intelligence, Algorithm Design & Analysis, and Object-Oriented Programming**, fostering a **deeper understanding and practical application** of these subjects.

## CERTIFICATIONS & TRAINING

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COMPFEST, Universitas Indonesia, Depok, Indonesia

August 2024 – September 2025

### Software Engineering Academy Participant

- Selected as **one of 20 participants** from thousands based on the **SEA Salon** project.
- Gained expertise in **SDLC, collaborative programming, clean code, unit testing, API development, design patterns, software architecture, database management, software security, and CI/CD**.
- Contributed as a **front-end developer** to the **Seatudy** platform and collaborated on a **mental health application's system design** with cross-functional teams.

## SKILLS & OTHER

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- **Javascript - Node.js - React JS - Next.js - Typescript - Firebase - Supabase**: Experience in developing website for work and personal projects
- **Python - Tensorflow**: Experience in developing Deep Learning model for mental illness detection by utilizing NLP techniques for personal projects
- **Dart - Flutter**: create mobile apps for personal projects.
- **Docker**: Have used docker as a container for university projects.
- **Clean Architecture – SOLID Principle**: Implemented on personal project
- **Github**: Experienced in using Git for version control and collaboration on software projects.
- **Communication and Public speaking**: Present team projects at some Hackathons and teach students as Laboratory Assistant.
- **Team work**: Working with a team of Laboratory Assistant and BNCC. Teaching as Laboratory Assistant and became speakers of HIMTI and BNCC events.