Petra Michael

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Computer Science student at Binus University at Bandung, Indonesia. Interested in research and development, software engineering, data science, and full-stack development. Personal portfolio website: petramichael.vercel.app

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Education

Bina Nusantara University   September 2022 – Present
Bachelor Degree, Computer Science.
GPA: 3.62

ICDXA Conference Proceeding Participation
- Issued in January 2024.
- Participating in the International Conference on Digital Transformation and Applications by submitting a paper entitled "Investigation on Correlation of Water Quality Data with Aerial Images." by Collaborating with several lecturers.

Experiences

HIMTI Binus University   February 2024 – Present
Academic Events
Manager

Full-time
- Led the recruitment of top activists for the division and managed the planning and execution of **programming-related educational events** for both university students and the public.
- Organized workshops and events aimed at enhancing participants' **technical skills in programming** and fostering engagement in the tech community.

Nippon Club Binus University   February 2024 – Present
Treasurer and Finance Manager
Full-time

- Managed the club's assets and finances, preparing **monthly financial statements**, budgeting, and ensuring accurate financial reporting.
- Oversaw **financial planning for events**, ensuring proper allocation of funds for club activities and future initiatives.

Binus University   June 2023 – May 2024
Research Assistant
Contract
- Collaborated with lecturers on research exploring the **correlation between water quality data and aerial images** for submission to ICDXA conference and **co-authoring a related Data Article** on fishpond condition monitoring.
- Cleaned and pre-processed large datasets for machine learning applications, and conducted data testing ensure training data quality.

Binus University   May 2023 – April 2024
Website Manager
Contract

- Managed and **maintained the APSKI conference website** (apski.net), supporting the formation of an alliance between Indonesian universities with creativepreneurship programs, in collaboration with the Ministry of Cooperatives and Small and Medium Enterprises (KemenkopUKM).
- Regularly updated content, **ensured site functionality, and facilitated international speakers'** participation in the conference.

Leadership & Activities

Nippon Club Binus University
Event Chairman, Charity Event   May 2023 – July 2023
- Led the planning and execution of a charity event at a local orphanage, **organizing book donations** and coordinating event activities.
- Worked with a team and invited a lecturer, together taught the children **basic Japanese language and culture**, while also creating a fun atmosphere with activities like movie screenings.

Skills & Hobbies

Technical:
- **Node JS - React JS - PostgreSQL - Flask**: Experience in developing full stack websites including RESTful APIs, database connection, secure payment gateway for personal and university projects
- **Python - Tensorflow - Roboflow**: Experience in developing several types of AI using several approaches for research and personal projects
- **Github**: Experienced in using Git for Version Control System, scheduled-run via Github Action, branch management, and collaboration technique
- **Agile Scrum methodology - TDD - DevOps CI/CD pipeline**: Experience in leading a team using agile methodology and its variants for university projects

Language:
- English (Bilingual Proficiency)
- Indonesia (Native Language)

Hobbies:
- 3D Design and modeling via Blender
- Terrarium building and maintenance
- Stock Market analysis