Arthur Laureus Wigo

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EDUCATION

UNIVERSITY OF CALIFORNIA, BERKELEY   Berkeley, CA
Bachelor of Computer Science | GPA: 3.825/4.0   Expected May 2027
Current Semester: Data Structures, Discrete Mathematics and Probability Theory, Principles and Techniques of Data Science
Coursework: Structure and Interpretation of Computer Programs, Foundations of Data Science, Linear Algebra, Calculus

HONORS

BEASISWA INDONESIA MAJU (BIM) SCHOLAR   December 2022 - Present
Achieved the Beasiswa Indonesia Maju Program, awarded by the Indonesian Ministry of Education, which helps fund undergraduate studies ($360,000 over 4 years) and community building opportunities for top students across Indonesia.

WORK EXPERIENCE

PT. LAWENCON INTERNASIONAL (IT Consulting Company)   May 2024 – August 2024
Software Engineer Intern
- **Developed the frontend of an iOS app** using Swift for **TransJakarta**, the Indonesian Governmental public transportation authority used by **280 million Indonesians** annually. Enhanced user interfaces tailored to public transportation needs, contributing to improved user satisfaction.
- **Developed a Payroll-Service-System application**, gaining hands-on experience with Spring (Java), Angular (Typescript), and SQL while using GitHub for version control, expanding proficiency in multiple programming languages and frameworks.
- **Collaborated with a diverse team in an IT consulting firm**, enhancing communication and teamwork skills while adapting to industry standards and practices essential for successful project delivery in the IT and tech-consulting sectors.

HEMODIALYSIS CLINIC LIONS UTAMA (Hemodialysis Clinic)   May 2022 – July 2022
Software Engineer Intern
- **Initiated and developed a digital application** to streamline operations at Hemodialysis Clinic Lions Utama, reducing administrative burdens and improving patient care by replacing paper-based processes.
- **Collaborated with a team of IT professionals** from the clinic's foundation using ASP.NET and SQL frameworks to design and implement an integrated solution, optimizing the clinic's efficiency in government funding and document organization.
- **Gained hands-on experience** in hemodialysis procedures, clinical management, and the administrative aspects of a non-profit healthcare facility, developing practical skills in community health and social justice.

PROJECTS

RESUMAI (AI Resume Feedback)   August 2024 – December 2024
- **Developed with Named Entity Recognition (NER), regex-based matching, and fuzzy matching** to categorize data from Resume PDFs
- **Programmed contextual section extraction, chronological date normalization, cleaning and de-duplication of text** from PDF parser to ensure model accuracy
- **Added support for flexible modification** of categories, regex patterns, fuzzy matching thresholds, and more.

LINGOSNAP (SnapAR Language Assistant)   October 2024
- **Developed with Object Detection and Object Classification Machine Learning Systems** in Lens Studio and deployed them using Snap AR Spectacles
- **Programmed a mobile app using Swift** for the front end and Pocketbase as the backend to display a library of pictures
- **Pitched project to 13 different judges during CalHacks 11.0**, the largest collegiate hackathon in the world with 1500+ hackers from 20+ countries

GADGET GRADER (Gadget Scoring Algorithm)   December 2024 - January 2025
- **Programmed web-scrapers and implemented sentiment analysis libraries to increase device scoring accuracy** based on internet sentiment from various websites.
- **Developed device scoring algorithm** using user-inputted weighted metrics like price, ecosystem, camera, and performance.

TECHNICAL SKILLS

Languages: Java, Python, Swift, HTML, CSS, Javascript, Typescript, React, SQL
Frameworks and Libraries: Spring, Angular, UIKit, PostgreSQL, REST API, NumPy, Pandas
Developer Tools: Github, VS Code, Eclipse, IntelliJ, Dbeaver, Postman, Swagger