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

WORK EXPERIENCE

MULAICODING (EdTech Startup)   January 2025 – Present
Software Engineer Intern
- **Building and optimizing frontend pages** with Next.js, enhancing user experience and performance, **improving load times by 40% and enhancing UX for 1,000+ active users.**
- **Fixing critical bugs and improving backend integrations** with Express.js and BigQuery for scalable data handling.
- **Implemented scalable engineering practices,** ensuring a robust, maintainable codebase capable of **supporting 100,000+ future users** in a rapidly growing platform.

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.

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

GITHUB RAG ANALYZER (Repository Insights with RAG)   February 2024 - March 2025
- **Developed a GitHub repository analyzer using RAG (Retrieval-Augmented Generation)** to summarize repo contents, extract key insights, and assess project health.
- **Integrated LLMs, vector databases, and GitHub APIs** to retrieve and process repository data efficiently.

TECHNICAL SKILLS

Languages: Java, Python, C++, 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, Postman, Swagger, Dbeaver

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.