

# Arthur Laureus Wigo

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## EDUCATION

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### 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

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### 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

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### PANDAS (Data Manipulation and Analysis Library)

February 2025 – Present

- **Contributed 20+ pull requests and 50+ commits**, implementing enhancements, fixing bugs and formatting code across various sections of the codebase.
- **Collaborated with maintainers through insightful discussion** in GitHub issues, pull requests, and code reviews.
- **Authored the User Guide on User-Defined Functions**, and expanded documentation to improve user understanding.

### GITHUB RAG ANALYZER (Github 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.

### 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.

## TECHNICAL SKILLS

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**Languages:** Java, Python, C++, Swift, HTML, CSS, Javascript, Typescript, SQL

**Frameworks and Libraries:** Spring, Angular, React, Next.js, UIKit, PostgreSQL, REST API, NumPy, Pandas

**Developer Tools:** Github, VS Code, Eclipse, IntelliJ, Postman, Swagger, Dbeaver

## HONORS

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### 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.