

# DAFFA MOHAMAD FATHONI

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## ABOUT

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A Computer Science student at University of Indonesia with a strong interest in software engineering and specialization in developing web applications using modern frameworks. Experienced as a teaching assistant for Discrete Mathematics and Programming Foundations courses, further proficient in programming languages such as Python, Java, Django, and JavaScript. Aside from those academic pursuits, currently active in several projects and organizations focusing on soft skills development for fellow computer science students. A good teamplayer passionate about learning and exploring new opportunities.

## EDUCATION

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- **University of Indonesia** *Apr 2022 - Now*  
Computer Science Major, Faculty of Computer Science (GPA: 3.91)
- **SMA Negeri 81 Jakarta** *Jul 2019 - May 2022*  
Mathematics and Natural Sciences

## AWARDS

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- Best Web and Mobile Application for Platform-Based Programming Odd Semester 2023/2024 (Django)

## PROJECTS

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### Game Time Web *Apr 2024 – May 2024*

- A store that assists users in finding toys and items for their favorite games easily, while also providing a niche marketplace for sellers of game-specific toys and items
- Developed the web application using the Java Spring Boot Framework for the backend, incorporating CI/CD, unit testing, and REST APIs
- Integrated the backend with Next.js for the frontend, utilizing Tailwind CSS

### Marmut Web *Apr 2024 – May 2024*

- A versatile web application for streaming music and podcasts, allowing users to create playlists, download tracks for offline listening as premium subscribers, while also enabling artists, songwriters, and podcasters to efficiently manage their works with comprehensive details
- Developed the web application using the Django Framework, with Tailwind CSS for the frontend, and REST APIs and PostgreSQL for the backend logic

### KeliLINK App Design *Apr 2024 – May 2024*

- A mobile application that integrates with various public transportation services such as KRL, Transjakarta, MRT, LRT, and the ride-hailing app Grab. Simplifies navigation and improves convenience by consolidating multiple transportation options into one platform
- Designed the application with Figma and implemented to be a clickable High-Fidelity Prototype

### Books Buddy (Web and Mobile App) *Sep 2023 – Nov 2023*

- A web application that supports Indonesia's reading movement by enabling users to easily find, manage, share book information, and discover relevant events and activities
- Developed a web application using the Django Framework for full-stack development, integrating Tailwind CSS, AJAX (JavaScript), and REST APIs. Additionally, created a mobile application using Flutter, seamlessly integrated with the Django web app
- Achieved the Best Web and Mobile Application for the Platform-Based Programming Odd Semester 2023/2024 and registered for patent (Hak Kekayaan Intelektual)

## EXPERIENCES

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### Teaching Assistant for Faculty of Computer Science

*Aug 2023 – Now*

Staff of Teaching Assistant for Discrete Mathematics

- Conducted tutorial sessions to assist students prepare for exams
- Assisted in designing and grading homeworks
- Provided one-on-one support and mentoring for students

Staff of Teaching Assistant for Programming Foundations 2

- Facilitated lab sessions, guiding students through practical programming exercises
- Developed supplementary instructional materials to enhance student understanding
- Evaluated student projects and provided detailed feedback to foster improvement

### Pesta Rakyat Komputer 2024

*Feb 2024 – May 2024*

Staff of Strategic Marketing

- Managed social media publications (Twitter) with viewer engagement exceeding 60,000 views
- Developed and executed content plans to increase event visibility and participation

### Open House Fasilkom UI 2023

*Jul 2023 – Nov 2023*

Vice Person-in-Charge of Liaison Officer

- A division that bridges the internal and external parties by serving as mentors to participant groups
- Led a division comprising 72 mentors
- Managed all participants, totaling over 500 individuals (online & offline)

### BEM Fasilkom UI 2023

*Mar 2023 – Dec 2023*

Staff of Public Relations

- Ranked as the 3rd Best Staff for the month of August
- Organized an institutional visit with Grab company and a comparative study (BEM Visit) with HME ITB
- Organized the BEM Grand Closing for BEM Fasilkom UI 2023 at Balai Sidang UI
- Led and mentored 15 public relations interns for Sekolah BEM Fasilkom 2023

### COMPFEST 15

*Mar 2023 – Sep 2023*

Staff of Human Resources for Software Engineering Academy

- Acted as the support system for a team of 15 staff members, responsible for recruiting potential candidates from over 20 applicants and serving as a people manager, focused on enhancing the performance and development of division staff
- Hosted the online bootcamp event of Software Engineering Academy

## SKILLS

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- **Backend Development:** Python, Java, Flutter, Spring Boot, Django
- **Frontend Development:** Tailwind CSS, JavaScript, Next.js
- **Database:** PostgreSQL
- **CI/CD:** GitHub Actions, SonarQube
- **Observability:** Grafana, Prometheus
- **Design:** Figma