

Rakha Djokosoetono

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Education

The University of Manchester

Manchester, UK

MEng in Advanced Computer Science - *First Class Honors (expected)*

September 2022 - Present

- **Courses:** Modelling Data on the Web, Querying Data on the Web, Data Engineering, Principles of Digital Biology, Automated Reasoning and Verification, Business Feasibility, Data Analytics

The University of Manchester

Manchester, UK

BS in Computer Science - *First Class Honors*

September 2019 - June 2022

- **First Year Courses:** Computer Engineering, Computer Architecture, Data Science, Operating Systems
- **Second Year Courses:** Processor Microarchitecture, Database Systems, Artificial Intelligence, Machine Learning, Programming Languages and Paradigms, Algorithms and Data Structures, Distributed Systems
- **Final Year Courses:** Agile Software Pipelines, User Experience, AI and Games, Cognitive Robotics, Cybersecurity

Jakarta Intercultural School

Jakarta, Indonesia

IB Diploma Programme - *Final Score 30, Bilingual Diploma*

August 2015 - July 2018

- **Higher Levels:** Mathematics, Physics, Computer Science

Work Experience

ARM Ltd.

Manchester, UK

Embedded Systems Engineer

July 2022 - Present

- Provided support for Non-Invasive Debugging through Trace Generation for an Armv8-a AARCH64 Architecture
- Optimized, Rebuilt, and Flashed Linux Kernels for the ARM Juno Development Board as a prerequisite in providing support.
- Overhauled the support-building time from a three-month process to a thirty-minute simple procedure.
- Researched and Reported findings for internal company documentation through Atlassian Confluence

Garuda HQ

Berkeley, CA, USA

Hackathon Experience Officer

August 2021 - March 2022

- Launched the GarudaHacks Discord Server for Hackathon communications of 3000+ participants
- Provided GitHub and Sponsors' Toolkits Infrastructure support throughout the running of the Hackathon
- Deployed the Hackathon Landing Page using GitHub and Netlify, built with HTML, CSS and JavaScript
- Promoted the Hackathon through short-form videos, reached an audience of 7000 accounts

SPE Solution

Jakarta, Indonesia

Developer

April 2019 - August 2019

- Created and maintained an internal micro-service for human resource allocation. Used Java Spring, MongoDB in an MVC design pattern
- Tested, then Integrated the micro-service within the company in facilitating human resources allocation
- Compiled technical documentation of the resulting micro-service for future maintenance and upgrades

Extracurricular Activities

PPI (Indonesian Students Association) United Kingdom

London, UK

Head of Technology

November 2022 - Present

- Developed, Deployed, Maintained and Executed the Indonesian Student Census Program in the UK for a population of 3000+ students
- Procured organizational emails for 150+ staff members and subdomains for 30+ PPI local chapters throughout the UK
- Overhauled and redesigned the website, standardized the online presence of local PPI chapters through subdomain integration
- Systematized and Optimized the Tech Team Workflow and Documented resources in manifesto

PPI (Indonesian Students Association) Greater Manchester

Manchester, UK

President

November 2021 - October 2022

- Represented the interests of 300+ Indonesian Students and 100+ Indonesian Diaspora in Greater Manchester
- Facilitated communications and contact between Indonesian Citizens in Manchester and the Indonesian Embassy in London
- Supervised and advised the planning and execution of 10 social, professional Indonesian events
- Revitalized and Planned the Greater Manchester Indonesian Cultural Festival (ICF), the flagship event of PPI Greater Manchester

UniCS (University of Manchester Computer Science Students Society)

Manchester, UK

President

May 2021 - May 2022

- Represented the interests of 800+ computer science students at the University of Manchester
- Advised the creation and running of UniCS Hackathons (GreatUniHack, StudentHack, and UniCS GameJam)
- Oversaw the planning and execution of our tech-based and social events (e.g. keynote or panel discussions)
- Supervised the development of the UniCS Developer team's projects