

Rakha Djokosoetono

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Education

MEng in Advanced Computer Science, **The University of Manchester**

(September 2022 - Present) Manchester, UK

- Grade: *First Class Honors (expected)*

BSc in Computer Science, **The University of Manchester**

(September 2019 - June 2022) Manchester, UK

- Grade: *First Class Honors*

Work Experience

Embedded Systems Engineer, **ARM Ltd.**

(July 2022 - Present) Manchester, UK

- 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 **3-month process to a 30-minute** simple procedure.
- Researched and Reported findings for internal company documentation through Atlassian Confluence

Hackathon Experience Officer, **Garuda HQ**

(August 2021 - March 2022) Berkeley, CA, USA

- 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**

Developer, **SPE Solution**

(April 2019 - August 2019) Jakarta, Indonesia

- 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 for **100+ employees**
- Compiled technical documentation of the resulting micro-service for future maintenance and upgrades

Organizational Experience

Head of Technology, **PPI (Indonesian Students Association) United Kingdom**

(November 2022 - Present) London, UK

- 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

President, **PPI (Indonesian Students Association) Greater Manchester**

(November 2021 - October 2022) Manchester, UK

- 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

President, **UniCS (Computer Science Students Society Manchester)**

(May 2021 - May 2022) Manchester, UK

- 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) comprising of **150+ attendees**
- 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

Skills

Programming Languages	Java, Python, JavaScript, C, C++, HTML, CSS, SQL, MongoDB
Frameworks and Libraries	Spring Boot, Bootstrap, React
Development Tools	Microsoft Visual Studio Code, ARM DS, Eclipse, Apache Netbeans, Git, GitHub, MySQL, SQLite, MongoDB Compass, Heroku, Netlify
Languages	English (Native), Indonesian (Native)