

# Iqbal Alfajar

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I am a fresh graduate from Jakarta State University majoring in Electronics Engineering Education with a GPA of 3.75 and have gained a solid understanding of Electronics such as IoT, Robotics, PLC, Junior Web Development and many more. Also skilled in operating 3D design software such as SketchUp and Fusion. During my studies, I was also active in the Robotic Club and research with lecturers. I have high enthusiasm and motivation and am looking for opportunities to develop my skills to work in industry.

## Work Experience

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### Teacher Intern • SMKN 39 JAKARTA

July 2022 - December 2022 | Jakarta, Indonesia

- Teaching class XI students majoring in Industrial Electronics Engineering in the subjects of Robotic System Control and Electronic Control Systems

### Electrical Engineer • E-Life Solutions Sdn. Bhd.

February 2022 - July 2022 | Johor, Malaysia

- Fully responsible for creating the "Inventory Management Using UHF RFID & Qr Code" project
- Job achievements: Programming UHF RFID using ESP32 32U, Creating a website using PHP with dark mode feature, CRUD system, automatic creation of Qr Code, and monitoring stock inventory connected to ESP32 32U Internet of Things (IoT)

## Education

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### State University of Jakarta (Universitas Negeri Jakarta)

Electronics Engineering Education - GPA 3.75 • 2019 - 2024

- Thesis "Design and Build a Microcontroller Based Oxygen Concentrator"
- Research Team in research with lecturers entitled "Killing Virus" in 2021
- Research Team in research with lecturers entitled "DEVELOPMENT OF MOVING SMART TRASH BASED ON ARDUINO AND ANDROID WITH 3D HOLOGRAM ANIMATION IN ENVIRONMENTAL EDUCATION" in 2021
- Member of the Research Team in research with lecturers entitled "DEVELOPMENT OF AN IOT-BASED TRAINER CONTROL SYSTEM IN THE ELECTRONICS 2 COURSE" in 2021
- Received 22 IPRs when becoming the second research member in research with lecturers entitled "EFFECTIVENESS OF ONLINE LEARNING WITH MICROSOFT OFFICE 365 SWAY MEDIA IN THE OPTICAL COMMUNICATION SYSTEMS COURSE" in 2021
- Leader of the UNJ Indonesia Robotic Club SAR Robot Contest Team in 2021
- UNJ Robotic Club research and technology staff in 2019
- Volunteer Electronic Open Robotic UNJ in the liaison officer division in 2019

### SMAN 13 JAKARTA

IPA • 2016 - 2019

- Chief Executive of the 2017 SRI Extracurricular Muharram Festival
- Head of Deputy DKM in the department of community services in SRI Extracurricular 2017-2018

## Skills

Electrical Engineer	Programming IT	Soft Skill	Language
<ul style="list-style-type: none"><li>• Internet Of Things</li><li>• IOT application</li><li>• Robotik</li><li>• Raspberry Pico W</li><li>• Pneumatik</li><li>• Electropneumatic</li><li>• PLC</li><li>• Arduino</li><li>• ESP32</li><li>• Blockchain</li><li>• Fusion 360</li><li>• EAGLE</li></ul>	<ul style="list-style-type: none"><li>• Junior Web Developer</li><li>• PHP</li><li>• html + css + javascript</li><li>• SQL/MySQL</li><li>• Python</li><li>• Matlab</li><li>• C++</li><li>• Photoshop</li><li>• Canva</li><li>• Word</li><li>• PowerPoint</li><li>• Excel</li></ul>	<ul style="list-style-type: none"><li>• Communication</li><li>• Problem Solving</li><li>• Critical Thinking</li><li>• Time Management</li><li>• Tim Work</li><li>• Adaptability</li><li>• Continuous Learning</li><li>• Creativity</li><li>• Emotional Intelligence</li></ul>	<ul style="list-style-type: none"><li>• Indonesia</li><li>• English</li></ul>

## Certifications and Awards

- Smart Home Design IoT, Balai Besar Pelatihan Vokasi dan Produktivitas (BBPVP) BEKASI (2023)
- React JS for Web Development, Fresh Graduate Academy Digital Talent Scholarship Kominfo (2022)
- Blockchain for Business Leaders, Fresh Graduate Academy Digital Talent Scholarship Kominfo (2022)
- Champion Number 1 in IoT Development Technifest (2022)
- The Best Student in Semester 6 by getting a cumulative GPA 4.00 (2022)
- Javascript Fundamental Course for Web Development, Progate (2022)
- Internet of Things Based Technopreneur, Kampus Merdeka (2021)
- Information and Communication Technology Vocational Competency Based Training, Pusat Pelatihan Kerja Daerah (PPKD) North Jakarta (2021)
- SQL Fundamental Course, Progate (2021)
- HTML and CSS Fundamental Course, Progate (2021)
- Champion of Hope 1 in IoT Development Competition (2021)
- Champion of Hope 3 in Creative Content Competition (2021)
- Team Leader for the Indonesian SAR Robot Contest, Robotic Club UNJ 2021
- Python Fundamental Course, Progate (2020)
- Python Fundamentals Course for Data Science, DQLab (2020)