Thariq Ramadhan Alchandra Yasrial

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Education

INSTITUT TEKNOLOGI BANDUNG (ITB) <div align="right">Bandung, IDN</div>

Undergraduate of Electrical Engineering. GPA 3.40 | 150 Credits. <div align="right">24 October 2020</div>

Final Project: *"Design & Implementation of Driver Systems in Exohand: Exoskeleton Robotic Hand for Rehability of Post-Stroke Patients"*.

Relevant Coursework: Problem Solving with C, Computer System Architecture, Microprocessor Systems, Embedded Systems Design, Network Software Engineering

Experience

PT RISET KECERDASAN BUATAN <div align="right">Bandung, IDN</div>
Product Manager <div align="right">August 2021 – Present</div>
- Directed face recognition team.
- Communicated face recognition service to clients.
- Handled project proposals, requirements, and client documentation.

Researcher <div align="right">October 2020 – October 2021</div>
- Modeled deep learning network for active liveness detection.
- Collected active liveness dataset.
- Consolidated installation of face recognition service in an on-premises server.

Part-Time Researcher <div align="right">March 2020 – October 2020</div>
- Designed software to automate cleaning service for image datasets.
- Optimized software to scrap images.
- Maintained face datasets.

ELECTRICAL ENGINEERING BASIC LAB, ITB <div align="right">Bandung, IDN</div>
Instrumentation System Lab Assistant <div align="right">January 2020 – June 2020</div>
- Wrote practicum module.
- Guided practicum participants running the experiment.

NATIONAL TAIWAN UNIVERSITY OF SCIENCE AND TECHNOLOGY (NTUST) <div align="right">Taipei, TWN</div>
Internship <div align="right">June 2019 – July 2019</div>
- Developed a Progressive Web Application (PWA) for smart water dispenser together as a team with local students and other interns.

PT LENTERA BUMI NUSANTARA <div align="right">Ciheras, IDN</div>
Internship <div align="right">May 2019– June 2019</div>
- Designed a wireless data transmission protocol with the half-duplex system using radio modules to remote conditions from renewable power plants.

Research Experience

MICROELECTRONICS CENTER, ITB <div align="right">Bandung, IDN</div>
Research Assistant <div align="right">January 2020 – June 2020</div>
- Built Deep Reinforcement Learning Algorithm in Microcontroller STM-32

Publication

BANDUNG APPLIED BIOMEDICAL AND TECHNOLOGY IN HEALTH   Bandung, IDN
"Development of Cloud Computing Based Wearable Device for Fitness Monitoring"   November 2019

Organization & Volunteer

WORKSHOP OF ELECTRICAL ENGINEERING STUDENT ASSOCIATION, ITB   Bandung, IDN
Member   February 2018 – October 2020
- Provided service as a freelancer on electronic projects.

ISLAMIC STUDENTS' ASSOCIATION, ITB   Bandung, IDN
Secretary General   January 2019 – December 2019
- Organized the biggest student association on the campus.
- Consoled and evaluated work programs from all departments.

SKHOLE-ITB MENGAJAR   Bandung, IDN
Teacher   October 2016 – July 2018
- Educated elementary school students in Bandung Ciumbuleuit Child Social Protection Service Unit.

Public Speaking

SSDK & SMPE 2018, ITB   Bandung, IDN
Trainer and Co-Facilitator Training Motivation   July 2018 & January 2019
- Motivated new students for learning enthusiasm and to be an effective people.

Courses

Data Scientist, Digital Talent Scholarship**,** April 2022
Architecting on AWS, Dicoding Indonesia**,** July 2021
Deep Learning Specialization, Coursera**,** November 2020
AI for Everyone, Coursera, November 2020
Python - Data Science, SanberCode, July 2020

Achievement

[International] Top 4.5% (33/746) CODE TO JAPAN AI Challenge 2020 by ASIA to JAPAN
[International] Participant at the 16th International Conference on Automation Technology 2019 by NTUST
[ASEAN] Participant Change & Climate Hackathon 2019 by Friedrich Naumann Foundation for Freedom Malaysia
[National] 3rd Place IEEE SIGHT Health DisasterHack 2019 by IEEE ITB Student Branch
[National] Unggulan Scholarship Awardee 2016 by Indonesia Ministry of Education

Skills & Interests

Technical: Agile Development, Trello, Postman, PostgreSQL, Docker, Python, TensorFlow, Microcontroller, C, Angular, JavaScript, LTSpice, PCB Design, OnShape, Adobe Photoshop, Adobe Premiere
Language: Indonesia and English (IELTS Academic Score: 7.0)
Interests: Books and Card Games