

FAWZI LINGGO

fawzilinggo@gmail.com | [linkedin.com/in/fawzi-linggo](https://www.linkedin.com/in/fawzi-linggo) | github.com/FawziLinggo | fawzilinggo.github.io

OBJECTIVE

I am an engineering graduate looking for opportunities in **data science, robotics and systems administration** with a background in linux and data analytics, also have knowledge in Nvidia Jetson Nano, Raspberry Pi and IoT.

EDUCATION

Syiah Kuala University | Banda Aceh, Aceh, Indonesia

Electrical Engineering (2017 – 2022)

- **GPA:** 3.34 [[transcript](#)]
- **Project:** Rescue Drone Simulation using Object Detection Drone with ROS and Gazebo [[PDF](#)]

EXPERIENCE

Harahap Petmart | Banda Aceh, Aceh, Indonesia

WordPress Developer (July 2020 – Present)

- Build an online store using wordpress, responsible for integrating with the database and monitoring site performance.
- **Website Link:** harahappetmart.com

Syiah Kuala University | Banda Aceh, Aceh, Indonesia

Junior Programmer at Control System Laboratory (Nov 2021 – Feb 2022)

- Build a JetBot collision avoidance and object detection algorithm using ROS with CNN method
- **Project link:** https://www.youtube.com/watch?v=c_wtRyrJii4
- Designing SLAM (simultaneous localization and mapping) on the JetBot robot using ROS and RPLidar A2 using a webconsole-based controller
- **Project link:** <https://www.youtube.com/watch?v=vipQEaYU6R0>
- Making training modules [[poster](#)] and robotics books with ROS under [Aulia Rahman, ST., M.Sc](#)
- Coffee beans detection using jetson docker inference with YOLO V3 architecture [[Dataset](#)]
- Processing eeg signals to detect autism spectrum disorder (ASD) using the SVM method

Syiah Kuala University | Banda Aceh, Aceh, Indonesia

Laboratory Assistant (February 2020 – November 2020)

- Tutor and lab demonstrator for about 80 students to use laboratory tools in Basic Control Systems.

Syiah Kuala University | Banda Aceh, Aceh, Indonesia

Specialist Internship at Control System Laboratory (Nov 2020 – Dec 2020)

- Designing a Navigation System on Drone with ROS and Gazebo as a Simulation Application [[PDF](#)]

LICENSES & CERTIFICATION

DataCamp

- have taken 20 machine learning and data science have taken a python learning career path course on data engineer and machine learning [[PDF](#)]

HONORS & AWARDS

KOMINFO and Association of IoT Indonesia

Top 10 Finalists in IoT Makers Creation Competition (Sep 2020)

- The IoT competition is held annually by the Indonesian IoT Association which is attended by 60 national-level teams from various regions. In this team, I am the one who builds Deep Learning algorithm[[certificate](#)].
- **Project Link:** <https://www.youtube.com/watch?v=e77gT7zxBag>

Indonesian Directorate General of Higher Education (KEMENRISTEKDIKTI) ·

Participant of PIMNAS 34 (Nov 2021)

- PIMNAS is a prestigious competition among students throughout Indonesia, in this Pimnas competition my team took the PKM-KC scheme with the title Applicable Design Wheezing Sound Integrated Real Time with Gadget [[PDF](#)]. In this team, I am the one who builds Deep Learning algorithm [[certificate](#)]
- **Project Link:** <https://www.youtube.com/watch?v=rSeOrqnuyNQ&t=219s>
- **Patent:** 000280118 [[PDF](#)]

ORGANIZATION

Syiah Kuala University | Banda Aceh, Aceh, Indonesia

- *Head of the Student Da'wah Institute of the Faculty of Engineering (2018 – 2019)* [[Structure](#)]

TECHNICAL SKILLS

- Python (Open CV, Tensorflow, PyTorch, Pandas, Matplotlib), ROS (SLAM, UAV Simulation), SQL, Linux user [[dotfiles](#)], Virtual Machine, Vim [[.config](#)], Basic Front End for Web Development (HTML, CSS, Jekyll), LaTeX