

FAWZI LINGGO

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## 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 about 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)

- Built an online store using wordpress and also responsible for integrating with the database and monitoring site performance.
- **Website Link:** [harahappetmart.com](https://harahappetmart.com)

**Syiah Kuala University** | Banda Aceh, Aceh, Indonesia

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

- Built a JetBot collision avoidance and object detection algorithm using ROS with CNN method
- **Project link:** [https://www.youtube.com/watch?v=c\\_wtRyrJii4](https://www.youtube.com/watch?v=c_wtRyrJii4)
- Designed 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>
- Created 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)

- Tutored and Demonstrated lab to 80 students in using laboratory tools in Basic Control Systems.

**Syiah Kuala University** | Banda Aceh, Aceh, Indonesia

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

- Designed 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 was 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), 3D, Linux user [[dotfiles](#)], Virtual Machine, Vim [[.config](#)], Basic Front End for Web Development (HTML, CSS, Jekyll), LaTeX