

JAYSONH BAGUIO LUA

Licensed Agricultural and Biosystems Engineer

Live and Natural Food (Microalgae) Technician

Mud Crab Technician

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CAREER OBJECTIVE

Live and natural food (microalgae) technician equipped with various skills and knowledge in the production of marine and freshwater microalgae from laboratory to mass production and a little skill and knowledge in crab hatchery. Through my technical experience in microalgae and crab larvae rearing, I honed by ability to face and solved various problems in the production calmly and effectively. Manage the inventory of all materials in the laboratory and hatchery.

EDUCATION

UNDERGRADUATE UNIVERSITY

Bachelor of Science in Agricultural Engineering

Visayas State University

June, 2018

- Undergraduate thesis was 'Development of Testing Rig for Ram Pump' a Renewable/Green Technology

WORK EXPERIENCE

CRAB PROJECT (PRIVATE)

Mud Crab Hatchery (Scylla serrata) Technician

San Lorenzo, Guimaras

Aug 2023 – June 2024

- Set-up canvass-tanks and aeration lines for microalgae, rotifers, larval rearing tanks and crab breeders.
- Fabricated harvesting box, drainers and other auxiliaries needed in the production.
- Mass cultured microalgae (*Nannochloropsis sp.*, *Chlorella vulgaris*, *Tetraselmis suecica*) and rotifers
- Cultured mud crab larvae from zoea to crab instar
- Collected all data necessary on the production.

JOSAMI AQUACULTURE AND HATCHERY (VANAMEI SHIRMP)

Laboratory Technician (Phycology - Microalgae)

Caba, La Union

Apr 2022 – Aug 2023

- Set-up phycology laboratory room includes purchases of materials needed for the laboratory.
- Installed pipelines (aeration, water lines, etc.)
- Prepared and fabricated laboratory auxiliaries needed in the production.

PRU LIFE UK*Manila**Financial Advisor – Licensed (Part-time)**Jan 2022 – Jul 2022*

- Helped clients' long-term strategies for building wealth and managing risk.
- Helped track, manage and balance clients' investment portfolio.
- Advice clients on other financial issues and decisions.

KAMINO ALGAE TECHNOLOGIES INC.*San Lorenzo, Guimaras**Production and Laboratory Associate**Mar 2020 – Jun 2021*

- Installed aeration lines and other pipelines. Supervised installation of pipelines (aeration, water lines, etc.), construction works and setup of other materials and equipment needed in the production.
- Operated blowers, autoclave, microscope, water pumps and other workshop equipment for production.
- Prepared raw materials (seawater, tap water, chemicals – fertilizers, etc.) and checked seawater and freshwater pH, Salinity, Chlorine/Bromide level and quality under microscope. Decided water treatment needed based on quality check.
- Mass cultured marine and freshwater microalgae, checked quality of the microalgae through microscope. Decided production activities based on the checked quality.
- Gathered, encoded, analyzed and interpreted data to conduct further research and development for mass production of microalgae.
- Cleaning and organizing all after usage.
- Taught and supervised new employees in the production processes.
- Also a production senior research assistant, inventory assistant, purchase requestor, planner (production planning from laboratory, production, maintenance, and logistics), packaging (products and equipment/materials to ship), logistics, and data encoder.

KAMINO ALGAE TECHNOLOGIES INC.*Binan, Laguna**Research Technician**Sep 2018 – Dec 2019*

- Prepared laboratory materials needed for the experiments.
- Organized the areas where tests and experiments conducted.
- Conducted tests and experiments according to the process of production of microalgae.
- Gathered, analyzed and interpreted data.
- Innovated small technology that helped the production.
- Simplified some of the processes in the production.
- Conceptualized and designed machine for washing dextrose glass bottles.
- Inventory checking and encoding all materials in/out the area.

VISAYAS STATE UNIVERSITY, RERC*Baybay, Leyte**Research Assistant**Jan – May 2018*

- Identified and solved problems that concerns renewable energy researches that will help nearby barangays.
- Designed using AutoCAD a renewable technology (Ram Pump).
- Helped and monitored the fabrication of the renewable technology.
- Conducted tests and experiments of the renewable technology.

- Gathered, analyzed and interpreted data from tests.
- Prepared, submitted and present technical papers.

VISAYAS STATE UNIVERSITY, MULBERRY DORMITORY

Student Assistant

*Baybay, Leyte
Aug – Dec 2017*

- Assisted the dormitory adviser in implementing rules and regulations.
- Made schedule for assigned cleaners for each areas.
- Organized meetings and activities.
- Budget and purchased all dormitory materials needed (cleaning and others).

REFERENCES

Dr. Roberto C. Guarte, Agrar.

Retired University Professor and College Dean, Visayas State University
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Mr. Julius Carlo de Paz

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CERTIFICATES

- Certification of Good Standing by PRC – Agricultural and Biosystems Engineer
- TESDA Certificate of Completion on *Introduction to Organic Agriculture*
- TESDA Certificate of Completion on *Formulating Organic Concoctions and Extracts*
- TESDA Certificate of Completion on *Producing Organic Fertilizers*
- TESDA Certificate of Completion on *Producing Organic Vegetables*
- TESDA Certificate of Completion on *Producing Organic Chicken*
- TESDA Certificate of Completion on a TOP Course *Fruit Grower*

- TESDA Certificate of Completion on *Introduction to Aquaponics Food Production*
- TESDA Certificate of Completion on *Setting up Aquaponics System*