

# John Lloyd S. Legaspi

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## CAREER OBJECTIVE

A computer science undergraduate student with experience in collaborating on machine learning projects. As a life-long learner and a data-driven individual, I am eagerly seeking a platform to continuously enhance my skills in technology, data science, and machine learning.

## EDUCATION

### Polytechnic University of the Philippines

Sta. Mesa, Manila

Bachelor of Science in Computer Science (BSCS)

2022 - Present

- Cumulative GPA: 1.11
- Relevant Courseworks: Calculus, Discrete Structures, Statistics, Data Structures and Algorithms, Object-Oriented Programming

## EXPERIENCE/PROJECTS

### Software Engineering Intern (*Remote – Nonthaburi, Thailand*)

Nov 2023 – May 2024

*NIDEC Control Techniques*

- Implemented software development principles, collaborated with co-interns to learn and apply new technologies, and consistently met all deadlines
- Assisted in creating a prototype for an itinerary website system using Python and Streamlit, designed its web interface, participated in meetings to gather requirements for the system proposal, and managed the database with MySQL functions.
- Collected, cleaned, and compiled marketing data from various sources, ensured data reliability and accuracy, and supported the marketing team in data analysis.

### Junior Machine Learning Engineer (*Project-based*)

Aug 2023 – October 2023

*Omdena – Berlin Chapter*

- Collaborated with 38 professionals globally on an end-to-end machine learning project, "Developing a Data-Driven Model for Waste Management Optimization," based in Berlin, Germany.
- Conducted collaborative Exploratory Data Analysis (EDA) on waste management datasets, leveraging Python for insightful visualizations.
- Pioneered the design and development of the "Waste Optimization Management" web application using Streamlit.

### Lead Machine Learning Engineer (*Project-based*)

Feb 2023 – Aug 2023

*Facts on the Ground - Google Developer Student Clubs - PUP Main*

- Worked with a team of 38 collaborators in an international tech start-up project "Detecting Facts on the Ground Using Machine Learning," in partnership with Google Developer Student Clubs - PUP Main.
- Spearheaded a sub-team of 7 individuals responsible for data wrangling and validation, resulting in a 20.2% reduction in irrelevant and garbage data using Python Pandas.
- Assisted in data preprocessing tasks, including tokenization and normalization with NLTK.

## ORGANIZATIONS

### Google Developer Student Clubs - PUP Main

Sept 2023 – Present

*Data Co-Lead*

- Assessed aspiring new members for admission into the Data team of the organization.
- Created a comprehensive roadmap that intricately delineates the trajectory of skill development for their respective team members.

*Junior Data and AI Cadet / Internal Auditor for Finance Committee*

Oct 2022 – Aug 2023

- Developed proficiencies in data manipulation, visualization, and SQL through DataCamp courses within the Data Science & Analytics Scholarship program.
- Developed comprehensive balance sheets that accurately accounted for financial activities for each event, ensuring transparency and facilitating effective financial decision-making.

## TECHNICAL SKILLS

**Programming:** Python, C, Java, SQL, R, HTML, CSS

**Data Science:** NLP, Python Libraries (Pandas, NumPy, SymPy, RegEx), Spreadsheets, Power BI, Data Wrangling, Data Transformation, Data Visualization, Streamlit

**Tools & Technologies:** Git, Github, Jupyter Notebook, Google Colab, Bash, Visual Studio Code, MySQL