

# Stephanie Ann P. Carretero

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Ambitious and results-driven Computer Science graduate with a passion for cloud computing, Python, and AI. Has past experience in teaching, full-stack web development, and IT project management. Developed multiple web applications and computer vision projects while actively expanding knowledge through various learning platforms.

## Education

### Saint Louis University

BS in Computer Science

BPI-DOST Innovation Awards 2022 - Nominated

Baguio City, Benguet

January 2025

## Projects

### YOLOv8 Model Classification of Benguet Pine (*Pinus kesiya* Royle ex Gordon) Health

#### Condition with QGIS Mapping of Benguet Pine Forest Degradation

- Collaborated with fellow research members on developing a Quantum Geographic Information Systems (QGIS) plugin with Python.
- Integrated a YOLOv8 image classification model with the plugin achieving 95% precision, 91% recall, F1 score of 0.93, and a low misclassification rate of 0.14.
- Coordinated with employees from John Hay Management Corporation (JHMC) in plotting and surveying areas for data collection.

## Experience

### PHINMA UPANG Urdaneta Campus

CITE Faculty Member

Urdaneta, Pangasinan

August 2024 - November 2024

- Developed and delivered engaging lectures on software engineering, Python programming, and data structures to enhance student learning.
- Assessed student performance through exams, projects, and practical assessments, ensuring academic growth.
- Utilized innovative teaching methods and technology to enhance classroom engagement.
- Gained a 54% overall satisfaction assessed by a total of 150~ students with a satisfactory rating from the acting department head.

### Sahei Core Technologies Co.

Intern

Baguio City, Benguet

July 2023 - August 2023

- Designed an innovative agriculture-focused website to assist city Department of Agriculture workers in streamlining tasks and accessing vital resources.
- Developed the web application using Node.js, HTML5, and CSS, ensuring a responsive and user-friendly experience.
- Collaborated with the Department of Agriculture to gather requirements and align the website with their operational needs.

## Certifications

### AWS Certified Cloud Practitioner

Amazon Web Services (AWS)

Issued Feb 2025 · Expires Feb 2028

### AWS re/Start Graduate

Amazon Web Services (AWS)

Issued Nov 2024

## Skills & Interests

**Technical:** Cloud computing, network security, data analysis, cybersecurity, Python programming, Linux administration, SQL database management, network architecture, IT project management, cloud security, Agile methodologies, virtualization, AWS services, No-code development tools, Artificial Intelligence

**Language:** English, Filipino, Pangasinan