

Ateneo de Manila University
Department of Information Systems and Computer Science

Certificate of Authorship

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- Each course requirement submission, unless otherwise specified by the Course Instructor, whether in electronic or paper form, must be accompanied by a corresponding properly accomplished Certificate of Authorship.

Description of Submission

Title of Submission: Final Project

Type of Submission: ☐ Program ☒ Project ☐ Report ☐ Paper

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Date of Submission: December 4, 2023

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We have also cited all sources from which we obtained data, ideas, or words that are directly copied or paraphrased in this document. Sources are properly credited according to accepted standards for professional publication.

Sources

Python PIL Image.transpose() method. Geeks for Geeks, <https://www.geeksforgeeks.org/python-pil-image-transpose-method/>

Group Information

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Course Information

Course Code & Section: CSCI 30 KLN

Course Title: Data Structures and Algorithms

Course Instructor: Brian Guadalupe