**Point-in-Polygon Test**

Report for the CEGE0096: 1st Assignment

**─**

Your Name

Your Portico Number

Your Email

Your GitHub Repo

# **Introduction**

Use the text highlighted in orange as a guideline and delete it before submitting the report.

Describe your assignment. This section should answer the following questions:

What does your software do? Which part of the assignment have you completed?

What are the limitations of your software?

How did you develop it?

How long did it take to develop it?

# **Project Description**

Explain here how to use your software. This section should answer the following questions:

What are the prerequisites of your software? Is Python 3.8 enough or should I install additional libraries?

How can I run your software? What should I execute? Is your script expecting the presence of any file in the same directory?

# **Software**

In this section you should write how you developed some of the tasks in the marking scheme. You can copy and paste the function/method/class here and describe how it works. Please don’t paste screenshots of your code (penalties will occur if you do that). Delete the sections that you have not completed.

## Task 1. The MBR Algorithm

Describe here how you implemented this algorithm. You can copy and paste your code and describe what it does.

## Task 2. The RCA Algorithm

Describe here how you implemented this algorithm. You can copy and paste your code and describe what it does.

## Task 3. The Categorisation of Special Cases

Which cases did you solve and how?

## Task 5. Object-Oriented Programming

What did you make object-oriented?

## Task 6. On the Use of Git and GitHub

How did you use Git and GitHub?

## Task 9. Plotting

How did you use the Plotter class? Did you implement any additional plotting functionalities?

## Task 10. Error Handling

Which error handling functionality did you implement?

## Task 11. Additional Features

Any additional features?

# **Git Log**

Copy and paste here the output of git log.