



4 Courses

Introduction to GIS Mapping

GIS Data Acquisition and
Map Design

Spatial Analysis and Satellite
Imagery in a GIS

GIS, Mapping, and Spatial
Analysis Capstone



Jul 10, 2025

Al Rey Villagracia

has successfully completed the online, non-credit Specialization

GIS, Mapping, and Spatial Analysis

This Specialization is for those new to mapping and GIS, as well as anyone looking to gain a better understanding of how it all works and why. You will learn practical skills that can be applied to your own work using cutting-edge software created by Esri Inc., the world's leading GIS company and our industry partner.

Don Boyes
Professor, Teaching
Stream
Geography and
Planning, UToronto

The online specialization named in this certificate may draw on material from courses taught on-campus, but the included courses are not equivalent to on-campus courses. Participation in this online specialization does not constitute enrollment at this university. This certificate does not confer a University grade, course credit or degree, and it does not verify the identity of the learner.

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