

# George Verghese

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## Work Experience

### Teaching Assistant

#### Columbia University, Climate School

Jan 2023 - Present, New York, USA

Spatial Analysis and Sustainable Development instructed by Prof Kytt Macmanus. Assisting in course labs which include GIS training and the use of drones to analyse areas for climate risk modelling.

### Student Assistant

#### Columbia University, GSAPP IT

Jan 2023 - Present, New York, USA

Spatial Analysis and Sustainable Development instructed by Prof Kytt Macmanus. Assisting in course labs which include GIS training and the use of drones to analyse areas for climate risk modelling.

### GIS Analyst /Graduate Intern

#### World Resources Institute

Jan 2023 - Present, New York, USA

Spatial Analysis and Sustainable Development instructed by Prof Kytt Macmanus. Assisting in course labs which include GIS training and the use of drones to analyse areas for climate risk modelling.

### Designer I

#### Krythium, Healthcare Intelligence

Jan 2023 - Present, New York, USA

Spatial Analysis and Sustainable Development instructed by Prof Kytt Macmanus. Assisting in course labs which include GIS training and the use of drones to analyse areas for climate risk modelling.

### Research Assistant I /Intern

#### MAde Studio LLC

Jan 2023 - Present, New York, USA

Spatial Analysis and Sustainable Development instructed by Prof Kytt Macmanus. Assisting in course labs which include GIS training and the use of drones to analyse areas for climate risk modelling.

## Accreditations

Scrum - I (In-progress)

Agile \_ I (In-progress)

## Education

### MS Computational Design Practices

#### Columbia University

Jun 2022 - May 2023, New York, USA

**Relevant course work:** Advanced Spatial Analytics (Python, Javascript), Web foundation (HTML, CSS, JS), Web App Development (Dask, MongoDB, React-JS), Urban Mobility & Sensing (Arduino, GIS)

### BDes Urban Studies

#### CEPT University

Jul 2016 - Jan 2022, Ahmedabad, IND

Relevant course work:

### MSc Urban Planning and Design

#### Politecnico di Milano (Exchange Program)

Jul 2016 - Jan 2022, Milan, IT

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## Skills

**Programming:** HTML, CSS3, Javascript, D3.js, Python, Processing, Arduino, ArcPy, Mapbox js, KeplerGL

**Tools:** Rhino 3D, Grasshopper, Autocad, Figma, Photoshop, Illustrator, Indesign, Dimension, Airtable, Tableau, ArcGIS, Microsoft suite, Vray Rhino

**Other:** Google cloud compute, Azure IoT, Github, Google Maps API, Foursquare API

**Soft:** Accountability, Vision & Solution Oriented, Problem solving, Research Methods, Self Development

**Frameworks:** Drone mapping, Natural language processing, Computer vision, Cartography, Urban designanf planning, Agent based simulation

**Fabrication:** 3 Axis CNC, 3D Printing, Laser Cutting,

## Awards & Activities

CEPT University Best Studio Award (2021)

CEPT University Excellence Award (2018)

CEPT University Portfolio Award (2017)

Student Council, Columbia University (Present)

Adobe Aero Private Test Team (2019 - 2020)