George Verghese

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Education

MS. Computational Design Practices   2022 - Present
GSAPP, Columbia University, New York, NY, United States of America
- Capstone proposal: An alternative to GPS using LoRa as a community driven privacy forward geolocation method that can scale at low costs.

Bachelor of Urban Design   2016 - 2021
CEPT University, Ahmedabad, GJ, India
- A program tailored to address India's rapidly urbanizing environment.
- Relevant elective: History and theory of Urban Design, Narrative Cartographies

MSc. Urban Planning and Policy Design (Exchange Program)   (Feb - Aug) 2020
Politecnico di Milano, Milan, ER, Italy

Design and Innovation for Sustainable Cities (Summer Program)   (Jun - Aug) 2018
University of California, Berkeley, CA, United Stated of America

Experience

IT Student Worker   2022 - Present
GSAPP, Columbia University, United States of America
- Maintain systems and printers
- Create installation packages & resolve technical queries/issues

GIS Analyst (Intern)   (Feb - Jul) 2022
Ross Center, World Resources Institute, India
- Core GIS Analyst part of the Road Safety Team (Vision Zero Fund)
- Conceptualized a data work flow
- Innovated and delivered on a Web Dashboard built on ArcGIS Experience Builder

Freelancer   (Jul - Sept) 2022
Krythium, India
- Implemented a new talent acquisition system
- Interior redesign for company head quarters

Research Assistant (Intern)   (Jun - Nov) 2019
MAde Studio LLC, United States of America
- Led the project animations for the Seoul Biennale of Architecture and Urbanism, 2019
- Analyzed parcel ownership in Detroit and produced maps
- Introduced augmented reality programs to aid client side project visualizations

Awards

Faculty Level Best Studio Award   2020
Dean, Faculty of Planning, CEPT University

CEPT Honors (Excellence) Award   2018
President, CEPT University

CEPT Portfolio   2017
Outreach Department, CEPT University

Publication

Rebel Bodies Rebel Cities (Book)   2021
Authors: Victor Cano Ciborro & Mansi Shah, CEPT University Press

Skills

- ArcMap • ArcGIS Online • ArcGIS Pro • ArcGIS Apps (story maps & experience builder) • QGIS
- Kepler GL • Mapbox js • Google Maps API • Tableau • Python • HTML 5 • Javascript • CSS
- Arudino IDE • Git & GitHub • Google Cloud Compute • Vray Rhino • Rhino • Grasshopper • Tableau
- 3D Printing • Laser Cutting • 3 Axis CNC • Drone Mapping • Cartography • Processing (P5.js)
- Adobe Creative Suite • Microsoft Suite • Computer Vision • Terrapattern • Natural Language Processing
- Self Development • Accountability • Vision Oriented • Problem Solving • Research Methods

Projects & Research

Dilemma's of Indian Coastal Cities (Thesis)   2020
Guide: Dr Deepa Ramaswamy
- Undergraduate thesis focused on understanding and analyzing a key regulation for coastal development in India. At the intersection of semantics in regulation and climate challenges for India's future.

Ahmedabad City Matrix (Studio Project)   2020
Guide: Dhara & Nishant Mittal
- An interactive 3D model for the citizens of Ahmedabad ti communicate, locate and interact with the city at large. The data collected is stored onto a GIS database.

Responsibility

Program Representative, Student Council GSAPP Columbia University   2022 - Present

Head of Logistics, Urban Inserts Blog   2018 - 2019

Secretary, Student Council CEPT University   2016 - 2017

Volunteering

Student Mentor, CEPT University   (Mar - Apr) 2021

Private Beta Tester, Adobe   2019 -2020

Kerala Flood Rescue, Rotary Cochin Global   (Aug - Sept) 2018

Project India, Swachh Bharat India   (Oct) 2016

References

Melissa Smith   Adjunct Assistant Professor
                       Head, Program Development, Bachelor of Urban Design
                       Faculty of Planning, CEPT University, India
                       melissa.smith@cept.ac.in

Deepa Ramaswamy   Assistant Professor
                       History and Theory of Architecture and Urbanism
                       University of Houston, United States of America
                       dramaswamy@uh.edu

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