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Dr Nicolas Palominos

Spatial data scientist, city designer, planner, architect and innovator.

My work bridges urban design with a quantitative understanding of cities. With a background in both spatial analysis and design, my holistic approach to city design spans a range of scales: from cities to neighbourhoods, large sites to buildings. I am fluent in applying computational, quantitative, visual and design methods to translate high-level questions into actionable knowledge.

professional practice

Designer and Analyst, The Comptroller General of the Republic of Chile, Designing and implementing a Geospatial information platform to foster civic engagement (GEO-CGR). Conducting regulatory Assessments of urban planning instruments of different administrative levels, Oct.2009–Aug.2016.

Project Manager & Designer, Municipality of Penalolen, Chile, Leading the multidisciplinary task force that designed and implemented a government urban regeneration program in a deprived neighbourhood, Nov.2007–Apr.2009.

Project Manager & Designer, Ministry of Housing and Planning, Chile, Leading the multidisciplinary task force that designed the urban Master Plan for a deprived neighbourhood as part of a government program of urban regeneration, Aug.2006–Aug.2007.

Designer & Project Manager, Independent professional practice, Designing, managing and coordinating various small and medium scale projects. Collaborated with firms in projects of public interest. Co-founded S3-Shared-Scooter-System, CAMINABLE, an urban design and planning consultancy, and _Streets, a startup working on data-driven built environment analysis, 2004–Present.

academic positions

Research

Research Fellow, Centre for Advanced Spatial Analysis, UCL, 'Socio-hydrological resilience in Mexico City', 2020–2021.

Research Assistant, Cass Cities - London Metropolitan University, Industrial Activities in Southwark survey and research, 2019–2020.

Research Assistant, The Bartlett Faculty of the Built Environment, UCL, Planning Urban Manufacturing project, Bartlett Synergy Grant (BSP, BSA) and Cities of Making project (BSEER), Circular Economy Lab, 2018–2019.

Researcher, LSE Cities, Ordinary Streets project, 2012.

Teaching

Associate Lecturer (Teaching) in Spatial Data Science, University College London, CASA0013, 'Foundations of Spatial Data Science' & Dissertation supervision, 2021–Present.

Senior Postgraduate Teaching Assistant, University College London, Modules 'Geographic Information Systems and Science' (Centre for Advanced Spatial Analysis) and 'GIS for Planners' (Bartlett School of Planning), 2017–2020.

Postgraduate Teaching Assistant, University College London, BASc, Module 'Understanding Cities and their Spatial Cultures', 2017–2018.

Teaching Associate, School of Architecture, Universidad Tecnologica Metropolitana, Chile, Modules 'The History of Cities' and 'Theory of City Form', 2013–2016.

education

PhD., Advanced Spatial Analysis, University College London, 2021, 'Rethinking Streets: a study of streetspace allocation metrics and street networks in London'.

MSc., City Design and Social Science, The London School of Economics and Political Science, 2012, 'Urban justice and the city as a political project' Merit.

Title of Architect, Pontificia Universidad Catolica, 2004, Two votes of Distinction.

B. Arch., Pontificia Universidad Catolica, 2004, Chile.

Training

Territorial Competitiveness Policy, Latin American and Caribbean Institute for Economic and Social Planning, 2015, Chile.

Introduction to Geospatial Information Management, Universidad Tecnologica Metropolitana, 2013, Chile.

Diploma in Urban and Environment Law, Universidad de Talca, 2011, Chile.

Urban Plans and Planning Regulations, Pontificia Universidad Catolica, 2010, Chile.

Diploma in Urban Management and Governance, Pontificia Universidad Catolica, 2007, Chile.

computer skills & data

Languages & Software

R for statistical and spatial analysis, QGIS, Python. Git, Docker, SQL. CAD, vector and raster graphics softwares. Tableau

Web apps & Data sets

Streetspace Allocation *URBAN TRANSECT* London, 2019

Streetspace open data set for London, 2020

Awards

Parcel Hack 2019 'Hacking the last-mile'FTC2050 (EPSRC), CitySprint, Transport for London and GeovationFirst place

grants

Bartlett Innovation Fund. Enterprise Advisory Group, 'Community-led Urban Design Analytics using Open GIS',

Innovate UK. Sustainable Innovation Fund 2020, 'Smart Walkability Platform', *2020* phase 1 (Technical team expert)

Metropolitan Government, Santiago, Chile., Thesis of Metropolitan Impact, *Urban operations in the periphery: educational facilities for regeneration* , 2003