ANDRES ACHURY

achury.andres@gmail.com – 832.709.8519 – Linkedin.com/in/AndresAchuryGarcia

PROFILE

- Seven years of experience in city design and development, policy-making, design and evaluation of land use regulations
- Expertise in master plan development, large-scale affordable housing projects, transportation model analysis, research design, big data analysis and new technology implementation for public policy decision-making processes
- Conflict mediation between public and private sectors using cultural, economic and environmental approaches
- Fieldwork experience in Colombia, Brazil, Mexico, Kenya and United States of America

EDUCATION

Massachusetts Institute of Technology   Cambridge, MA
Graduate student from Masters in City Planning   June 2017
- Graduate Student Fellowship Award
- MISTI-Priscilla King Gray Public Service Center Fellowship Award
- Lloyd and Nadine Rodwin Fellowship Award

Universidad de Los Andes   Bogotá, Colombia
Bachelor of Arts in Architecture   May 2009

Presbiteriana Mackenzie University   São Paulo, Brazil
Exchange Student for Architecture and Urbanism   Spring 2007
- Field Intern at Bacco & Arquitetos Asociados

RESEARCH EXPERIENCE

Center for Advanced Urbanism – MIT, Cambridge, MA   Aug 2016 – Present
Research Assistant - Resilient Cities Housing Initiative
- Conducted quantitative and qualitative analysis to investigate the outcomes of new housing developments in Colombia
- Collected data to measure the social, economic, environmental, and political effects of the housing in the communities

Civic Data Design Lab – MIT, Cambridge, MA   Sep 2015 – May 2016
Data Analyst
- Developed an interactive mapping tool to combine, isolate or cross-reference quantitative and qualitative datasets to visualize the interaction between social networks in the physical space
- Designed and created an interactive mapping database system for the city of Nairobi to integrate it with a local digital transportation platform

WORK EXPERIENCE

Metropolitan Planning Area Council – MAPC, Boston, MA   Jan 2017 – Present
Data Analyst Intern
- Developed web applications and data visualizations to support planning policies in the Boston Metro Area
- Automatized the Local Energy Action Plan methodology to calculate energy consumption, emissions, and costs per city

Instituto Mexicano del Seguro Social – IMSS, Mexico City, Mexico   May 2016 – Aug 2016
Data Analyst Intern
- Developed a geospatial analysis methodology based on health needs across Mexico to reach optimal resource allocation
- Constructed a quantitative framework and created KPIs for this new methodology

Camilo Santamaria Arquitectura & Urbanismo, Bogotá, Colombia   Dec 2010 – Jul 2015
Project Manager (promoted from Senior Architect)
Master Plan Developments
- Developed urban design and land use proposal for Valle Verde development in Barranquilla – 18,000 houses
- Designed urban and public space for Triángulo Social in Cartagena – 8,000 houses
- Led project implementation between local authorities and stakeholders in Reserva in Zipaquira – 1,500 houses
- Managed community participation, fieldwork and data analysis for the reconstruction of Gramalote – 1,400 houses
Transportation Planning
- Forecasted urban growth and density for Bogotá and 17 municipalities
- Coordinated multidisciplinary teams to design and model Leticia's master transportation system project
Urban Design
- Developed large-scale urban renewal plan in Bogota – 3,500 houses
- Managed urban design team for Santa Ines development in Ibague – 1,800 houses
- Created land use and urban design plan for La Vuelta in Tocancipa – 1,200 houses

SKILLS

Languages: Spanish (native), English, Portuguese and German (fluent)
Software: AutoCAD, ArcGIS, Python, HTML, Microsoft Office, Photoshop, Illustrator, QGIS, R-Studio, JavaScript, CSS, D3, NVivo