

# Lekshmy Hirandas

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## EDUCATION

### University of California, Berkeley

- Candidate for Master of City Planning with a focus on Transportation Planning & Policy

### School of Planning & Architecture, New Delhi

Honors: Summa cum laude

### Urban Design

Master of Urban Design

- Relevant Coursework: Participatory Planning Project with a low HDI community in New Delhi

### T.K.M College of Engineering, University of Kerala

Honors: Summa cum laude and ranked fourth in the order of merit

### Architecture

Bachelor of Architecture

- Relevant Coursework: Design dissertation on Characteristics of Lively Streets in India

## URBAN PLANNING

### Kittelson Associates

Urban Planning Intern

### Charlotte, North Carolina

May 2023- August 2023

### Centralina Transportation Demand Management (TDM) Program

- Conducted research on best practices in TDM and analyzed transportation data to identify trends and patterns for program improvement.
- Compiled and analyzed program metrics to assess the effectiveness of TDM strategies and prepared reports summarizing findings for clients and stakeholders.
- Actively participated in team meetings, providing input and recommendations to enhance the TDM program's impact and reach within the Centralina region.

## RESEARCH

### SafeTREC

Graduate Student Researcher, Community Pedestrian & Bicyclist Safety Training (CPBST) Program

### Berkeley, California

January 2023- May 2023

### CPBST Review Report

- Developed an online survey to review the Community Pedestrian Bicycle Safety Training workshops conducted between 2018-2022.
- Collaborated with the team members to ensure the accuracy and completeness of the survey data.
- Utilized Qualtrics to disseminate and generate meaningful insights from the survey data.
- Analyzed the survey results and presented them in a report.

### Research Brief on Mobility Challenges of the Elderly Population in California

- Conducted comprehensive research on elderly mobility issues in California to identify the barriers and challenges faced by them in accessing transportation services.
- Reviewed relevant literature and analyzed SWITRS data to produce a research brief report.
- Presented the research findings to the senior management of the research institute.

## URBAN DESIGN

World Resources Institute

Program Associate, Urban Transport & Road Safety

Mumbai, India

November 2018- April 2022

### Safer Access to School Project, Mumbai

- Co-developed the methodology for identifying and assessing at-risk school zones and making them to safe and child-friendly with children's participation.
- Undertook a city-wide road safety risk analysis of school zones to identify at-risk school areas in Mumbai centered on data-driven decision-making.
- Created a stakeholder engagement strategy comprising community-led mapping by children and parents.
- Designed and executed the tactical transformation plan for the first-ever school zone in Mumbai

### Bloomberg Initiative for Global Road Safety (BIGRS), Mumbai

- Provided design recommendations and execution support to improve safety and accessibility at 9 intersections and 3 streets in Mumbai.
- Organized capacity-building workshop for road & traffic engineers
- Prepared the report of the Black Spot Mitigation Project which provided road safety design recommendations for 11 blackspots in Mumbai.

## SKILLS

### Data Science & Analysis

Geocoding, spatial and network analysis in ArcGIS & QGIS | Data visualization using Tableau | Data recording, formulas, charts & graphs, and pivot tables using MS Excel | Organizing & analyzing qualitative data using NVivo | Data Analysis using Python

### Graphic Design & Communications

Illustrations & infographics using Adobe Illustrator | Publication & Layout design in Adobe InDesign | Photo editing & gifs using Adobe Photoshop

### Urban Design + Architecture

AutoCAD | Vehicle Tracking | SketchUp

## CERTIFICATIONS

### Global Road Safety Leadership Course

Awarded by John Hopkins Bloomberg School of Public Health, Baltimore, USA in December 2020

### Studying Cities: Social Science Methods for Urban Research

Awarded by Erasmus University, Rotterdam in July 2020

## PUBLICATIONS

### Research Brief

Towards a Safer California: Addressing the Road Safety Needs of Older Adults [\(Link\)](#)

Review of Community Pedestrian & Bicyclist Training Program, May 2023 [\(Link\)](#)

### Articles

Ideas4Action: Six Ways to design safer school zones, April 2022 [\(Link\)](#)

Getting to Zero: Transforming the dangerous Lalbaug junction in Mumbai, City Fix, April 2021 [\(Link\)](#)

Design elements to rejuvenate Indian streets, WRI India, April 2020 [\(Link\)](#)

### Research paper

Child in the City: Understanding the role of children in community engagement, ISOCARP World Congress Proceedings, Pages1326-1335, Oct 2018, [\(Link\)](#)

## AWARDS & HONOURS

Post Graduate Scholarship for  
2016-18

Scholarship of 3000 USD awarded by All India Council of Technical Education, to pursue studies at the School of Planning & Architecture, New Delhi, India

## REFERENCES

### Professional

#### **Jill Cooper**

Co-Director, Safe Transportation Research and Education Center, UC Berkeley  
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#### **Rohit Tak**

*(Ex-Manager at WRI India)*

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### Academic

#### **Daniel Rodriguez**

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