

**PROFILE**

Project designer, manager and researcher with over 11 years of professional dedication to improving the human condition through high impact / low cost solutions and long-term interdisciplinary project planning.

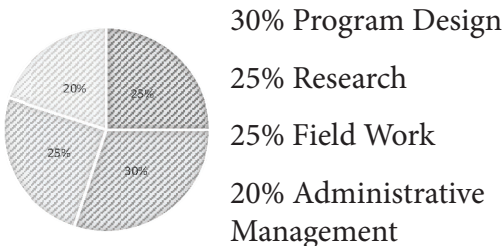
Experienced as an advisor, a director, and a teammate in coordinating efforts among communities, consultants, governing bodies, and partnered organizations in both rural and urban environments.

Particularly interested in expanding the discourse concerning resiliency planning, climate change adaptation, and integrated project design and delivery.

**SKILLS**

- AutoCAD ●●●●●●●●●●
- Rhino 3D ●●●●●●●●●●
- Revit ●●●●●●●●●●
- ArcMap (GIS) ●●●●●●●●●●
- mWater ●●●●●●●●●●
- Photoshop ●●●●●●●●●●
- Illustrator ●●●●●●●●●●
- InDesign ●●●●●●●●●●
- After Effects ●●●●●●●●●●
- PowerPoint ●●●●●●●●●●
- Prezi ●●●●●●●●●●
- Excel ●●●●●●●●●●
- MS Word ●●●●●●●●●●
  
- French ●●●●●●●●●●
- Kiswahili ●●●●●●●●●●

**WORK INTERESTS**



**EDUCATION**

Master of Design - Risk and Resilience Harvard University Distinction, 2018	Bachelor of Architecture Syracuse University Cum Laude, 2005
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**EXPERIENCE**

Expert Research Fellow May - October 2019  
Engineering For Change  
• Guided graduate student fellows in research of innovative Technology for Development with focus on shelter, construction and community planning.

Playground Design Consultant September 2018 - April 2019  
Humanity and Inclusion / Handicap International  
• Designed 15 inclusive playgrounds with refugee camp communities using child-driven data collection methods in Pakistan, Bangladesh, and Thailand.

Kenya Country Director Summer 2018, June 2013 - June 2015  
Kounkuey Design Initiative  
• Directed the design and construction of numerous 'Productive Public Space' and WASH projects in flood-risk neighborhoods of Kibera, Nairobi.

Community Driven Reconstruction Manager January 2012 - June 2013  
International Rescue Committee  
• Managed the design and construction of hundreds of community-driven construction projects in post-conflict Eastern Democratic Republic of Congo.

Design Strategy Consultant Summers 2016, 2017  
Sunny Group Development  
• Guided sustainable architectural design start-up towards collaboration with developers interested in 'off-grid' technologies across Eastern China.

Construction Designer January - April 2016  
Earthship Bioteecture Academy  
• Developed educational graphics for water filtrations systems, decentralized power consols, and off-grid living in Northern New Mexico.

Project Leader February 2009 - December 2011  
Engineers Without Borders  
• Oversaw design and construction of primary school in Ukambani, Kenya and water systems in health facilities in Iquitos, Peru.

Design Consultant June 2011 - December 2011  
Under The Acacia  
• Designed solar-powered learning center in Kenya with Maasai women.

Design Consultant January 2011 - December 2011  
Community to Community  
• Organized development efforts for community in rural Haiti.

### ADDITIONAL EXPERIENCE

Earthquake Damage Assessor  
National Organization for the  
Advancement of Haitians  
March 2010

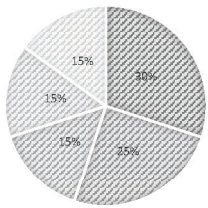
- Conducted Damage Assessments of 53 structures in Petit Goave, Haiti.

Architectural Designer

- ICrave Design Studio  
November 2007 - November 2008
- Kiss + Zwigard Architects  
November 2006 - November 2007
- Rafael Vinoly Architects  
May 2005 - November 2006

- Developed competition entries and for academic and civic projects, finalized construction drawings, and oversaw permitting and bidding processes.

### PERSONAL INTERESTS



30% Ice Hockey  
25% Hiking  
15% Yoga  
15% Cooking  
15% Ukelele

### REFERENCES

Jodie Nguy, Technical Coordinator  
Handicap International  
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Joe Mulligan, Associate Director  
Kounkuey Design Initiative  
Tel: +46 (0) 73.073.2109 (Sweden)  
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Iana Aranda, President  
Engineering For Change  
Tel: +1 646.752.1104 (USA)  
arandai@asme.org

### SELECTED PUBLICATIONS

- “Affordable Housing in Kenya: A performance-Based Analysis of Available Technologies” Engineering For Change and UN-Habitat, 2019.
- “The Dakota Access Pipeline: An Investigation of the Historical, Spatial, and Legal Underpinnings of Land and Territory” Harvard University Graduate School of Design, Risk Resilience Blog, 2018.
- “Urban Infrastructure Development in the Informal Context: A Multi-Stakeholder Approach” Digital Development Debates, 2016.
- “EarthShip Biotecture’s Six Best Practices for Sustainable Architecture” Engineering For Change, 2015.
- “Land and Water: Resolving the Tensions of Climate Change and Urbanization in Nairobi’s Largest Slum” BuilDesign magazine, 2015.
- “Towards Safer School Construction: a Community Based Approach” Global Alliance for Disaster Risk Reduction, 2015.
- “Why LEED Doesn’t Work in Rural Africa and What Will” ArchDaily, 2013.
- “Surveying the Wreckage in Haiti” Architectural Record, 2010.

### SELECTED SPEAKING ENGAGEMENTS

- Impact Engineered, New York University. October, 2019.  
“Affordable Housing in Kenya: A Performance Based Analysis”
- Design For Humanity Summit II, Fordham University. June, 2019.  
“Rapid Play Planning: Child-Driven Design with Refugee Communities”
- Design History Society, Parsons School of Design. August, 2018.  
“Wall. Pipe. Dream. Proposed Infrastructure Solutions to Land Degradation.”
- Harvard University. November, 2017.  
“From Upgrading to Regrading: Public Space as Flood Risk Mediation.”
- Peking University. June, 2017.  
“Harmonizing Ecologies: Earthly Phenomena, Agriculture and Human Habitation”
- Jomo Kenyatta University of Agriculture and Technology. April, 2015.  
“Both Urban and Rural: Design and Development in Kenya”
- Kigali Institute of Technology. July, 2013.  
“Design and Governance: One and the Same”