

MELI HARVEY

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EDUCATION

2015 - 2017
Cambridge, MA

MIT Department of Urban Studies and Planning

Master in City Planning

The Top Thesis Prize: After Retreat: Buyout Programs and Local Planning Goals after Hurricane Sandy

2006 - 2011
Syracuse, NY

Syracuse University School of Architecture

Bachelor of Architecture

Magna Cum Laude

The A.I.A. Henry Adams Medal for the Highest Academic Ranking in the Bachelor of Architecture Program

Citation for Excellence in Thesis Design

EXPERIENCE

July 2019 - present
New York, NY

WeWork Future Cities Group, Senior Computational Designer

Prototyped urban-tech products focused on co-development and co-creation. Developed geometry libraries using RhinoCommon and .NET framework. Worked with the engineering and product teams on developing product requirements and infrastructure for web apps.

Spring 2019
New York, NY

Columbia University, GSAPP, Assistant Adjunct Professor

Taught an elective course on how data analysis can inform urban design and policy. Included technical instruction on data munging, descriptive statistics, and data visualization.

Nov 2017 - June 2019
New York, NY

Kohn Pedersen Fox Architects, Urban Data and Computation Specialist

Worked on the "Urban Interface" research and computation team building computational tools and performing urban data analysis for architecture and masterplanning projects, developing web apps for both internal use and to provide new data driven service offerings such as computational urban design and site finder tools.

Feb 2016 - June 2017
Cambridge, MA

Civic Data Design Lab, GIS Specialist

In charge of data collection, processing, and design for a web app analyzing urban lighting with Instagram (with Google VisionAPI), Google Places, etc. (collaboration with Philips Lighting). Designed urban furniture that tracks social activity using wifi sniffers, GPS, and tracking cameras (collaboration with Gehl Institute).

Oct 2016 - June 2017
Cambridge, MA

nesterly, Co-founder

Co-founded a startup that connects students with spare bedrooms using a web app. Led UX/UI design, branding, and did front-end development for the web app. Won accelerator competitions including DesignX, MIT Global Ideas Challenge, Mass Challenge, and NYC BigApps.

June - July 2016
New York, NY

Regional Plan Association, GIS Specialist

Used quantitative methods and geospatial data to project future development patterns in metropolitan NYC.

Sept 2015 - Jan 2016
Cambridge, MA

Center for Advanced Urbanism (CAU), Editorial Assistant

Edited the publication Infinite Suburbia, a tome on suburban studies including 55 contributing authors.

Oct 2012 - Aug 2015
New York, NY

Bjarke Ingels Group, Computational Designer, BIM Lead, Model Shop Manager, Designer

Worked on projects through every phase of design including a 60 story tower in Calgary, CA, and a 233 unit affordable housing project in Harlem, led the design of algorithmically defined facades, taught Grasshopper and Vray courses.

Nov 2011 - May 2012
Brooklyn, NY

Diana Al Hadid, Digital Fabrication Specialist

Fabrication specialist doing digital fabrication, made shop drawings, constructed large scale sculptures.

SKILLS

Languages

Python
C#
Javascript
HTML
CSS

Libraries

Vuejs/Angularjs
node/Webpack
threejs/d3
RhinoCommon
numpy/pandas

File Types

JSON
GeoJSON
CSV
XML
OBJ

Software

ArcGIS/QGIS
Rhino/Grasshopper
Revit
Adobe CS
Excel

Databases

Firebase
DynamoDB
PostgreSQL/PostGIS