

# Ibrahim Ibrahim

Computational Designer, Technologist

Cambridge, MA, USA | ibrahimibrahim@gsd.harvard.edu | +1 617 637 6476 | ibrahimibrahim.works

I'm Ibrahim – a computational designer, architect and engineer. I study design technology mediums: on the making of culture, technology & art, at the Harvard Graduate School of Design in Cambridge, Massachusetts. My work focuses on creative machines, computational geometry and creative applications of machine learning and artificial intelligence in building science and design tools.

I concept, design, program and make real things that could impact the environments we live in. These objects and bits of code are spurred to adapt, augment, and transform the surroundings into something other than what was before. I am not devoted to one particular medium or way of making, but explore creative opportunities at the intersection of design, technology, fabrication, data, and art in both the virtual and real environments.

## Education

### Harvard University Graduate School of Design

Masters in Design Studies – Technology Mediums  
Cambridge, MA, 2021 – Present

**Massachusetts Institute of Technology** · Cross Registered  
Creative Machine Learning and Machine Robotics  
Cambridge, MA, 2021 – Present

**Harvard University SEAS** · Cross Registered  
Computer Science, Macro, Micro, Nano Building Science  
Cambridge, MA, 2021 – Present

**American University of Sharjah (AUS)**  
Bachelor of Architecture [NAAB Accredited]  
Sharjah, UAE, 2012 – 2017

**Columbia University GSAPP** · Studio-X  
Echoing Borders  
Amman, Jordan & Istanbul, Turkey, Aug 2014

**Sustainable Design & Materials** · Study Abroad  
Siem Reap, Cambodia, Jul 2014

**Seeing & Drawing History of Italy** · Study Abroad  
Tuscany, Italy, Jun 2013

## Skills

**Coding** · C. C++. Python. JavaScript. NodeJs. HTML. CSS. SQL. Flask.

**CAD** · Rhino. Grasshopper. Autodesk Fusion. Autodesk Maya. Bentley Microstation. Z-brush.

**Visualization** · V-ray. Maxwell. Keyshot. Unreal Engine. Adobe Premiere Pro. Adobe AfterEffects.

**Digital Fabrication** · Robotics. Embedded Microprocessor Programming. Electronic Production. Kuka Robotic Arms. CAM Software. 3D-Printing. Casting. Laser. Metal Working.

## Select Awards

**Harvard Dean's Merit Scholarship** · 2021–2023  
**MIT Hackathon** · First Place · May 2020  
**Zagreb Observation Tower** · First Runnerup · 2019  
**Inagural Emaar Research Fellowship** · 2018  
**Middle East Emergent Designer Award** · 2017  
**Sheikh Khalifa Merit Scholarship** · 2016–2017  
**Dean's Award for Academic Excellence** · 2017  
**Sheikha Manal Young Artist Award** · First Place · 2016  
**MAD · Motivation Attitude Dedication Award** · 2016

## Design & Research Experience

**mOrphosis Architects** · *Project Designer*  
Los Angeles, CA, Aug 2019–Oct 2021

**DAIMLAS** · *AI Startup · Co-Founder*  
Toronto, Canada, May 2020–Aug 2021

### College of Architecture, Art & Design (CAAD)

· *Emaar CAAD Labs Research Fellow*  
Sharjah, UAE, Sep 2019–Sep 2020

### UAE National Pavilion at the Venice Architecture Biennale

· *Researcher & Materials Lab Assistant*  
Sharjah, UAE, 2019

**mOrphosis Architects** · *Intern Architect*  
Los Angeles, CA, Jan–Jul 2018

**Anarchitect** · *Project Architect*  
Dubai, UAE, Aug 2017–Jan 2018

**Venice Biennale** · *Exhibition Intern*  
Venice, Italy, Aug 2017

**OylerWu Collaborative** · *Architectural Intern*  
Los Angeles, CA, May–Aug 2016

**Ensamble Studio** · *Architectural Intern*  
Madrid, Spain, Jun–Aug 2015

## Academic Experience

**CAAD Labs** · *Digital & Material Labs Fabrication Engineer*  
Sharjah, UAE, Aug 2015–May 2017

**CAAD Labs, Ammar Kalo**  
· *Robotic Arms Fabrication Research Assistant*  
Sharjah, UAE, Jan–May 2019

**CAAD, Kevin Mitchell**  
· *Architectural Theory & Principles Teaching Assistant*  
Sharjah, UAE, Sep–Dec 2016

**CAAD, Martin Giesen, John Montague**  
· *Architecture & Art History Teaching Assistant*  
Sharjah, UAE, Sep 2013–May 2014

## Exhibitions & Conferences

**MADAR** · Dubai, UAE, Nov 2019  
**ASCA** · Denver, CO · Mar 2018  
**ASCA** · Madrid, Spain, Jun 2018  
**Amman Design Week** · Amman, Jordan, Oct 2017  
**Dubai Design Week** · Dubai, UAE, Nov 2017

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