MP

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EDUCATION

Harvard Graduate School of Design
September 2018 - July 2021

- Masters of Architecture II
- Harvard GSD Digital Design Award, 2021 (Link)

Southern California Institute of Architecture
June 2012 - September 2016

- Bachelors of Architecture, Graduate with Distinction   GPA :: 3.96, Class Ranking :: 1
- Blythe and Thom Mayne Undergraduate Thesis Prize Winner, 2016 (Link)

The Tulane University School of Architecture
September 2011 - April 2012

- Foundation Year

PROFESSIONAL EXPERIENCE

UNSense   Sensorial Design Intern
September 2019 - April 2020

Sensorial design intern for UNStudio's architecture technology startup, UNSense. Acted as a strategic design consultant for smart building and smart city systems in many of UNStudio's competition proposals. Produced concepts and concept images for UNSense's "Brainpoort Smart District" and "Humanizing the ScanCar" projects (Link). Designed custom workflows for sensor data collection and machine learning in Arduino, Grasshopper, Unity, and C# (Link).

MAD Architects   Junior - Intermediate Architect
October 2016-July 2018

Designer in MAD's Beijing HQ working across a range of project types and scales. Contributed to all design phases including competitions, schematic design, design development, and construction document phases. Specialized in concept design and 3d modeling, with additional experience in presentation design, 2d design, and rendering. Managed small competition teams.

Select Projects ::

The Lucas Museum of Narrative Art   Link
- Part of the core design team from early schematic design to early construction documents.
- Developed concept designs for a wide range of interior and exterior spaces, and modeled design surfaces for areas with complex geometry. Coordinated closely with overseas consultants.

Tour Montparnasse Design Competition   Link
- Developed concept designs for multiple interior and exterior spaces, modeled design surfaces for areas with complex geometry, and developed 2D design. Created images for client presentation and press release.

Furniture Design   Link
- Designed/modeled "Gu" chair for Sawaya & Moroni, in Pompidou permanent collection
- Designed chaise lounge for Gallery ALL "Martian" furniture collection, exhibited Art Basel 2017

Tom Wiscombe Architecture   Intern
May - September 2015, February 2016

Designer working in concept design, competition proposals, and academic research. Specialized in complex modeling and fabrication for art pieces, models, and installations. In addition, participated in design research for Tom Wiscombe's SCI-Arc courses.

Select Projects ::

The Main Museum of Los Angeles   Link
- Worked in schematic design team in 3d modeling, space planning, and programming.
- Output complex design surfaces, intricate digitally-fabricated models, and presentation material.

"Figural Joint" Building Prototype   Link
- Managed a team for the complex digital fabrication of a prototype testing snap-fit composite construction techniques for the Tallinn Architecture Biennale. Acted as primary contact to the biennale, organizing and negotiating terms of lease.

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Amorphis LA	Intern	May - August 2014, December 2014

- Design assistant working in digital fabrication for permanent installations. Worked primarily in the CNC fabrication of para-metrically-derived aluminum pieces in the "Afterglow" permanent installation (Link). Participated in design research for Ramiro Diaz-Granados' SCI-Arc seminars.

ACADEMIC EXPERIENCE

Awards

- Harvard GSD Digital Design Prize, 2021 (Link)
- The Blythe and Thom Mayne Undergraduate Thesis Prize, 2016 (Link)
- AIA Henry Adams Medal for Academic Achievement, 2016
- Graduate with Distinction, SCI-Arc

Publication

- "Cirrus House" project (Link) featured in Harvard's *Platform 11*
- "SHERPA" project (Link) to be featuredin Harvard's *Platform 13*

Scholarships

- SCI-Arc Continuing Student Merit Scholarship, 2012-2016
- SCI-Arc Charles Boswell Scholarship, 2015-2016
- SCI-Arc Carlos Diniz Scholarship, 2014-2015
- US National Merit Scholarship, 2011-2015

Installations and Teaching

- Tom Wiscombe :: "Tectonic Fictions, SCI-Arc "Close-Up" exhibit, 2016. Fabrication Assistant
- Henry Cobb :: "Hypostyle" interior installation, Spring 2015 :: Fabrication Assistant
- Tom Wiscombe :: "The Figural Joint," 2015 Tallinn Architecture Biennale :: Fabrication Manager
- Oyler Wu Collaborative :: "Stormcloud" pavilion installation, Spring 2013 :: Fabrication Assistant
- Teaching Assistant :: Ramiro Diaz-Granados SCI-Arc seminar on geometric projection, parametric modeling, and the animation of complex lighting effects. Fall 2014

KEY SKILLS

Digital Design

Modeling	- Rhino :: Advanced	- Maya Modeling :: Advanced	- 3DSMax :: Beginner
Coding	- Grasshopper :: Advanced	- C# :: Intermediate	- Python :: Intermediate
Sculpting	- 3dCoat :: Advanced	- ZBrush :: Beginner	- Mudbox :: Beginner
Rendering	- Vray :: Advanced	- Keyshot :: Advanced	- Maxwell :: Intermediate
Data	- ArcGIS :: Beginner	- Survey123:: Intermediate	- Arduino :: Advanced
Animation	- AfterEffects :: Advanced	- Maya Animation :: Beginner	- Unity3D :: Beginner
Delivery	- AutoCAD :: Intermediate	- ShapeModeling :: Advanced	- Revit :: Beginner
Presentation	- Photoshop :: Advanced	- Illustrator :: Advanced	- InDesign :: Advanced

Fabrication and Prototyping

- Arduino
- CNC, laser cut, and 3d print (file prep and operation).
- Basic metalworking and woodworking
- Casting, mold-making, resin, and fiberglass prototypes
- Extreme finishes (ex. Chrome, carpaint, detail airbrushing)
- Installation-scale fabrication

REFERENCES

- **Allen Sayegh** :: GSD Professor, head of Responsive Environments Lab, Thesis Advisor :: asayegh@gsd.harvard.edu
- **Yosuke Hayano** :: Principal Partner, MAD Architects :: youske@i-mad.com
- **Tom Wiscombe** :: SCI-Arc Undergrad Chair, Principal of Tom Wiscombe Architecture :: tom@tomwiscombe.com

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