

# Danny Griffin

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## Education

- Aug. 2018 - Present **Massachusetts Institute of Technology**, Cambridge, MA  
M. Arch '22 (exp.), GPA 5.0/5.0  
*Out of Frame* Columnist, *Open-Source* Contributor, Graduate Student Mentor
- Aug. 2014 - May 2018 **Georgia Institute of Technology**, Atlanta, GA  
BS. Arch, GPA 3.97/4.0  
*GT Solar Home Co-Founder*, *Tau Sigma Delta*, *Student Ambassador*, *Minor in Japanese*

## Skills

- Architecture Rhinoceros, Grasshopper, Solidworks, 3DS Max, Maya, AutoCAD, Inventor, Revit
- Fabrication KUKA 6-axis robot, 5-axis mill, laser cutter, 3D printer, waterjet, masonry, metalworking, concrete mix design
- Graphics Photoshop, Illustrator, InDesign, V-Ray, Premiere Pro, After Effects, openFrameworks C++, charcoal, sketching
- Language Japanese (advanced), Spanish (intermediate)

## Professional Experience

- J. Roc Design**, Boston, MA  
*Architectural Design Intern*
- June 2020 - Aug. 2020 Researched fashion industry innovation and garment making techniques for pop-up structure design
- Dec. 2019 - Feb. 2020 Exhibition design and full-scale prototyping of flat-pack infinity mirror vitrines for mobile gallery
- Jan. 2019 - Feb. 2019 Designed and scripted milled Japanese joinery assemblies for on-site installation in bathhouse design
- Zahner**, Kansas City, MO  
*Research & Development Intern*
- June 2019 - Aug. 2019 Used Work Visual to integrate force feedback with robotic arm via Ethernet I/O communication  
Developed scripts and tools to automate mirror polishing procedures for large scale project delivery  
Presented research in weekly meetings to metalworking experts and manufacturing engineers
- Georgia Tech Digital Fabrication Lab**, Atlanta, GA  
*Research Assistant + Senior Lab Technician*
- Jan. 2017 - Aug. 2018 Fabricated and calibrated custom end effectors and auxiliary devices for robot scripting environment
- Georgia Tech Digital Building Lab**, Atlanta, GA  
*Summer Research Assistant*
- May 2017 - Aug. 2017 Developed and tested bond strength of concrete and grout mix designs for masonry reinforcement

## Teaching Experience

- MIT SA+P**, Cambridge, MA  
*Teaching Assistant*
- Aug. 2019 - May 2020
- 4.151 *Core I Studio* (Instructor: Brandon Clifford)
- 4.022 *Design Techniques and Technologies* (Instructors: Thomas Heatherwick & Jeremy Jih)
- 4.105 *Geometric Disciplines & Architecture Skills* (Instructor: Jeremy Jih)
- Georgia Tech College of Design**, Atlanta, GA  
*Teaching Assistant*
- Dec. 2016 - Aug. 2018
- ARCH 8863: *Intro to Robotic Fabrication* (Instructor: Shani Sharif)
- ARCH 8833: *Robotic Fabricates* (Instructors: Shani Sharif & Daniel Baerlecken)
- ARCH 8833: *Robotic Operations* (Instructor: Keith Kaseman)
- ARCH 8833: *Media & Modeling III* (Instructor: Keith Kaseman)

## Awards & Honors

- Summer 2020 UNI.XYZ Modern Winery Design Competition *1st Place*
- Spring 2019 MIT Core II People's Pool Design Competition *1st Place*
- Fall 2018 MIT Department of Architecture *Graduate Fellowship*
- Spring 2018 Lewis F. & Patricia R. Lanter Student Award *1st Place*
- Spring 2018 *Alpha Rho Chi Medal*
- Spring 2018 *Center for Teaching & Learning Outstanding Undergraduate Teaching Assistant*
- Spring 2018 *World Architecture*, Vol. 179 *Cover Image*
- Spring 2018 University System of Georgia *Outstanding Scholar*
- Fall 2017 School of Architecture Portfolio Design Competition: *1st Place Senior*
- Spring 2017 *James Bowden Addy Memorial Scholarship*
- Spring 2017 School of Architecture *Undergraduate TA of the Year*
- Spring 2016 *Sophomore Design of Excellence 1st Place*
- Fall 2015 School of Architecture Portfolio Design Competition: *1st in Section*