

OLIVIA KREWER

Contact

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Education

Rensselaer Polytechnic Institute	Class of 2020
Bachelor of Architecture	
Tongji University	Spring 2018
China Study Abroad Program	
Harper Community College	Class of 2015
Associate in Arts	

Recognition & Awards

Faculty Award for High Scholastic Attainment in the Study of Architecture	Grad. 2020
Faculty Award for Outstanding Service to the School of Architecture	Grad. 2020
McKee Award for International Studies	2018
Wilson E Graham Memorial Scholarship	2018
Leadership Award	2016-2020
Ruth & Herbert Fisherman '53 Scholarship	2016-2020
Award for Excellence in Drawing	2019

Academic Experience

Guest critic | RPI

1st year Honors Review	2022
Anthony Titus Section Review	2022
Anthony Titus Section Review	2021
- Engaged with students to give guidance on how to develop their formal intentions and further add rigor to their designs	

Final Project Studio | Professor Chris Perry

2020

- Researched Piranesi and the architectural history of ruination
- Exploited the liminal conditions of ruin and death to create new forms and reconsider our ecological crisis
- Investigated representational ideology to express the idea of liminality

Fabrication Technician | RPI Fabrication Lab

2015-2020

- Innovated through technological and machine-based fabrication
- Undertook studies in materiality and representation
- Expanded the shop's capabilities by aiding in building the 3D printer and robot suites

Teaching Assistant

2nd Year Studio Professor David Bell	2019
Integrated Design Schematic Studio Professor Hseng Linter	2018
- Gave guidance to students on clarifying their design intentions	
- Aided students in designing their physical studies and presentation models	

Academic Experience

Design Development Studio | Professor Gabrielle Brainard & Lonn Combs 2018
- Collaborated with Douglas Chee to investigate how to bring formal ideology into a thoughtfully designed facade and building system

Integrated Design Schematic Studio | Professor Adam Dayem 2017
- Explored context & solar angle as forces of change within the city of Boston
- Developed an exterior-interior system to navigate the public-private divide

Environment & Ecological Systems | Professor Kelly Winn 2017
- Manipulated built form to engage the environmental forces acting upon it for ecological and social benefit

Housing Studio | Professor Edwin Liu 2017
- Collaborated with Douglas Chee, exploring how to connect the existing street level and waterfront through the use of a dynamic looping form, created through grasshopper, and encouraging exploration through changing perspectives of the exterior from the interior

Professional Experience

Digital Tools Technician | Parsons School of Design Current
- Enabled student's creative pursuits through expertise and understanding of CNC, 3D printing, and laser cutting technology
- Took an active role in learning new machines and in growing the team's capabilities

Screen Printer | Ashley Zelinksie & NASA 2022
- Collaborate with the artist and NASA's James Webb Telescope Team to use their light wavelength data to create screenprinting layers
- Explored different methods and results to create prints at different scales for the exhibition "Unfolding the Universe: First Light"

Junior Designer | 1100 Architect 2021-2022
- Assessed State Department properties overseas for future viability including, studies of the urban context, cultural value, and potential reconfigurations
- Meshed existing separate structures to create new community space and redefine how students learn at Berkley Carrol School

Visual Designer | Freelance 2021
- visualized creative intentions for architects such as Robert Kahn, enabling a growing and informed dialogue with clients

Project Engineer | Digifabshop 2020-2021
- Modeled and enhanced construction of original Donald Judd furnishings for the Judd Foundation
- Surveyed, documented, and repaired a Prouve Demountable House

Arch + Design Intern | HED 2019
- Created Grasshopper scripts and other tools to bring environmental concerns into the schematic design phase within the firm

Additional Skills

Rhino, Grasshopper, V-ray, Revit, SolidWorks, AutoCAD, Adobe Suite, Wood Working, 3-Axis Milling, 3D printing, Industrial Fabrication, Sketching, Screen Printing