

Charlie Hymowitz

NJ/NYC
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Education	Carnegie Mellon University Pittsburgh, PA	
	Masters of Science in Civil and Environmental Engineering Bachelors of Architecture Minor in Environmental and Sustainability Studies GPA: 4.0/4	December 2026 May 2026
	Coursework: Structural Design Materials and Analysis, Infrastructure Management, Resilient and Sustainable Infrastructure Design, Urban Systems Modeling, Fund. of Programming and Computer Science, Fund. of Computational Design, Generative Modeling, Engineering and Public Policy	
Work Experience	Stantec	May 2024 - August 2024 Pittsburgh, PA
	Architectural Intern	
	<ul style="list-style-type: none">- Produced Revit construction documentation and detailed assemblies for large-scale industrial projects, including a significant development for a 150,000 sf Boeing grounds service complex- Developed complete wall sections and envelope assemblies, and worked alongside architects and engineers nationwide to refine submission documentation- Designed, modeled, and presented adaptive reuse project alongside engineering and interior design interns- Managed BIM model as project architect before presenting to developer Related Midwest- Proposed and implemented new passive sustainability features to project scope	
	SmithMaran Architecture and Interiors	June 2022 - August 2023 Montclair, NJ
	Architectural Designer	
	<ul style="list-style-type: none">- Prepared site diagrams and renderings in collaboration with Gensler for an urban redevelopment project; approved by town council Fall 2023- Drafted complete construction sets for residential and commercial works, including zoning/ code review, plans, int. elevations, R.C.P., inc. electrical and mechanical operations- Assembled punchlists on site visits in NJ/NYC, proposed design alternatives for client review, and directly communicated with surveyors, contractors, and consultants on project updates- Evaluated project budgets, assembled detail drawings, and compiled historical documentation	
	School of Architecture at Carnegie Mellon University	August 2022 - Present Pittsburgh, PA
	Teaching Assistant for Structural Design II, Climate and Building Energy, Materials and Assembly, Drawing II, Design Ethics, Architectural Seminar	
	<ul style="list-style-type: none">- Lead student recitation sessions and host one-on-one office hours to improve technical drawings- Review student work ranging from technical construction assemblies and detailed energy analyses to introspective essays and free-hand drawing works	
	Gelfand Educational Outreach	August 2021 - May 2024
Additional Experience	Lead Workshop Teacher	
	<ul style="list-style-type: none">- Developed a new curriculum and taught Structures course to local Pittsburgh students to encourage early interactions with Architecture and Engineering	
	Carnegie Mellon Orientation Head Orientation Counselor	August 2022 - September 2024
	<ul style="list-style-type: none">- Constructed a comprehensive week of logistics and events for 1800+ new students and families- Allocated tasking assignments for 300+ events, drafted CAD plans and executed the official CMU class photo design, and delivered multiple speeches addressing the entire incoming class- Managed team of 3 Orientation Leaders and 14 Counselors to oversee 200+ first years	
	CMU Spring Carnival Exec Director of Sorority Booths	October 2024 - Present
	<ul style="list-style-type: none">- Review structural plans of multistory "Booths" to create safe, code-compliant structures- Oversee construction of 7 20'x20' plots while directly managing 47 "Booth Chairs"	
	Freedom By Design CMU Chapter Project Manager	June 2022 - May 2023
	<ul style="list-style-type: none">- Led student organized design-build project constructing Little Libraries	
	University Student Affairs Committee Distinguished Member	August 2024 - Present
	Pittsburgh Connections (CMU Student Life Office) Trip Leader	October 2021 - May 2024
Skills	Software: Revit, Rhinoceros 7, Grasshopper, AutoCAD, Python, Adobe Photoshop, Adobe Illustrator, Adobe Indesign, Vray, Keyshot, Sketchup, R-Studio, Microsoft Office	
	Analog: Hand Drafting and Sketching, Model Making, Woodworking, Digital Fabrication Tools	