

Maxwell J. Wiesenfeld

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M.Arch Candidate · B.S. Architectural Engineering

architecture & silversmithing portfolios: mjwiesenfeld.com

EDUCATION	Worcester Polytechnic Institute	Worcester, MA
	Master of Architecture — GPA 4.0	Expected August 2027
	Thesis: Developing an interactive design tool to coordinate light, sound, privacy, and thermal conditions	
	B.S. in Architectural Engineering, completed in 3 years — GPA 4.0	2026

EXPERIENCE	Socotec — Energy & Sustainability Intern	New York, NY · Summer 2026
	Industry-leading energy & sustainability consulting firm	
	- Conducted Life-Cycle Assessments (LCA) for two Midtown Manhattan commercial towers — one of them among NYC's tallest buildings - Authored LEED BD+C and O+M reports and documentation, including Integrative Design Process water-use analysis, for a Midtown Manhattan commercial development - Built DesignPH models for PHPP export for NYC multifamily residential projects - Produced heat-island mitigation studies and energy-model (.INP) setup	
	Frank + Hank — Design & Fabrication Intern	Edwards, CO · Summer 2025
	Large-scale outdoor sculptural art in stone and steel	
	- Created project renderings and conducted on-site design development for commissions - Assisted fabrication and installation of commissioned stone-and-steel works - Prepared sales and exhibition material for J. Cotter Gallery	
	Camp Laurel — Metalsmithing Instructor	Mount Vernon, ME · Summers 2023–2025
	- Taught metalsmithing to campers ages 11–15, from brainstorming and sketching to finished pieces	

RESEARCH	GenARch — GenAI + AR for Collaborative Architectural Design	2026
	Senior year project · National Science Foundation funded	
	- Developed a Meta Quest AR conceptual-design tool integrating GenAI 2D to 3D building creation, shadow analysis, 3D site mapping, and interactive massing - Deployed across two WPI architectural design-studio courses in an IRB-approved study measuring self-efficacy, teamwork, and learning outcomes - Served as the team's sole architectural engineer, translating studio design practice and participant feedback into features	
	Mathematical Analysis of Large-Cap Pharmaceutical Stock Prices	2025
	Quantitative analysis research project · time-series modeling in MATLAB	

HONORS & AWARDS	Salisbury Prize — for distinguished academic attainment among WPI undergraduates	
	Class of 1879 Prize, Honorable Mention — for exceptional creativity in the humanities and arts	
	Charles O. Thompson Scholar — for outstanding performance as a first-year student	
	Honor Societies — Phi Alpha Epsilon (founding chapter member) · Chi Epsilon · Tau Beta Pi	
	Dean's List — all six semesters, Fall 2023 - Spring 2026	

SKILLS	Design & Modeling — Revit, AutoCAD, Rhino, Grasshopper, SketchUp, Twinmotion, Photoshop	
	Energy & Analysis — DesignPH, One Click LCA, MATLAB, Excel	
	Documentation & Craft — Bluebeam, Primavera, technical hand-drafting, silversmithing	
	Training & Exams — Preparing for FE exam, OSHA 10	