

Chixin (Tracy) Zhang

Contact

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Education	Aug 2021- Dec 2024	Carnegie Mellon University BA, Architecture BS, Chemistry <i>Pittsburgh, PA</i>	Academic Experience	Jan 2021-	inter·punct <i>Publication Graphic Lead + Interviewer</i> Led the design and production of visual layouts, branding, and graphic assets for bi-semesterly print and digital issues with a focus on CMF - Selected paper stock, cover materials, and finishing techniques. Conducted Interviews with creatives and thought leaders to curate content for publications. <i>Pittsburgh, PA</i>
Professional Experience	May 2024- Aug 2024	Aachen RWTH ITA <i>R&D Researcher (Internship)</i> Led the "Circwool" project on sustainable material design, optimizing keratin sizing for glass fiber and developing biodegradable films. Collaborated with Ortovox, Biotextfuture, and a multidisciplinary team to drive innovation in recycling technology. <i>Aachen, Germany</i>		Aug 2023-	CMU School of Architecture <i>Woodshop Monitor + Teacher Assitent</i> Facilitated a collaborative learning environment by offering creative and technical guidance to students, taught woodworking techniques and safety protocols. Managed equipment maintenance and repairs to ensure seamless project execution. <i>Pittsburgh, PA</i>
	Oct 2022- May 2024	Robotics Institute - Textile Lab <i>Design Researcher</i> Developed novel additive manufacturing: 3D solid knitting machine prototypes using CAD. Engineered Python-based software solutions to optimize knitting geometries and improve system performance. Co-designed yarn feeding components to improve textile manufacturing technology and explored new uses for large-scale construction projects. <i>Pittsburgh, PA</i>			
	Aug 2023- Jan 2024	International Film Festival Pittsburgh <i>Design Intern</i> Created visual identities, branding materials, posters, and product designs. Worked with marketing and event teams to tell a impact visual story. <i>Pittsburgh, PA</i>			
			Awards	2023 2023 2021-	Frank-Ratchye Further Fund Grants Featured in Mogao Grotto Documentary Dean List x4
Skills	Language	English: Native Chinese: Native Japanese: Conversational	Technical		Rhino, CAD, Sketch up, V-ray, KeyShot, Illustrator, InDesign, Photoshop, Figma, Laser cutter, CNC, 3D printing, Python, Processing, Google Suite Spectrophotometry, XRD, XRF, UV-Vis, H-NMR, C-NMR, IR, FTIR, CD, CV, SEM, GPC, Raman, CC, HPLC, IC, GCMS, ESI
