

chris cooley

cooleyck@mail.uc.edu
(513) 313-7313

cooleyck.wixsite.com/portfolio
linkedin.com/in/chris-cooley-422394190

I am a designer + engineer who thrives at the intersection of creativity and technical problem-solving in product design. Passionate about working within constraints, I focus on crafting thoughtful and elegant solutions. I approach each project holistically, drawing on my skills in engineering, design, and production to fully understand the challenges in making a particular object and to bring concepts to life.

experience

Belcan Engineering Group

- *Operations Support* (July 2025-Present)
 - Maintain relationships with six cost-savings professionals at General Electric to report on project data, contributing to multimillion-dollar savings on the maintenance/upkeep of seven of their most popular commercial engine lines
 - Develop operational rhythms using Miro, Spotfire, & Excel to keep focals aligned & projects on track
- *Designer* (July 2024-July 2025)
 - Performed design tasks for Collins Aerospace Interiors Group aftermarket division
 - Creatively rerouted harnesses for sub-5-min installs with minimal legacy impact

University of Cincinnati

- *Graduate Assistant* (2022-2024)
 - Core contributor on a fashion & engineering team that won a record \$2 million grant
 - Primary inventor of a patent-pending wearable cooling apparatus for firefighters
 - Led an interdepartmental design team through full system design & manufacture
 - Consulted on prototyping, firefighter interviews, NIOSH data, & report-outs
- *Maker Specialist* (2023)
 - Guided students through DFM & operated rapid prototyping machinery
- *Boeing Design Studio Contributor* (2022)
 - Practiced high-level design methods to research & develop advanced aircraft cabin concepts
 - Presented concepts to Boeing executives; sole concept selected for patent (“Swiss Army” lavatory)
 - Concept shortlisted for the international Crystal Cabin Award in Hamburg, Germany

Queen City Riverboats – Deckhand (2022-2023)

- Trained in emergency response and performed physically demanding deck work & maintenance
- Engaged up to 250 passengers with announcements, sales, food service, & general assistance

Kyocera-Senco – Research & Development/Sustaining Co-op (2020-2021, three rotations)

- Developed in-house testing equipment and analysis methodology for production parts
- Resolved root-cause quality issues and implemented action plans through project completion
- Designed assembly cells and fixtures, redesigned mainline products, and improved quality beyond competitors

Valco Melton – Manufacturing Engineering Co-op (2019, two rotations)

- Revised job shop drawings, digitized calibration database, and streamlined procedures across quality labs

skills

Design for manufacturing, design research, 3D printing, machining, casting, laser-cutting, plastic injection molding, stamping, SolidWorks, NX, Teamcenter, Rhino, Fusion 360, Illustrator, InDesign, MATLAB, Microsoft Office Suite

education

Master of Design

Focus on Industrial Design/Engineering
University of Cincinnati (2022-2024)
College of Design, Architecture, Art, & Planning

B.S. in Mechanical Engineering

Minor in Materials Engineering
University of Cincinnati (2017-2022)
College of Engineering & Applied Science