

Work	Vertical Product Manager <i>Formlabs, Somerville MA.</i> <ul style="list-style-type: none">Responsible for Formlabs' jewelry industry vertical and Formlabs' ceramic resins project (Form X).Maintain and execute a rolling 12-month roadmap for product development, marketing campaigns, and customer success initiatives, and negotiate with engineering to allocate time and resources appropriately.Perform market research, cull insights from user interactions and analyze competitor products to define top-down product goals for new investment castable and highly-filled SLA materials.Define bottom-up specs (including specific filler compositions) for multiple SLA materials.Perform ongoing testing and measurement to validate functionality of prototype materials. Work closely with materials science team and provide applications-based guidance throughout projects.Cultivate strategic partnerships with equipment manufacturers to offload final product validation and promote Formlabs workflows in co-marketing campaigns.Proposed, specified and shipped several software features to extend 3D printer functionality and improve product differentiation.	Jan 2019 — Present
	Applications Research Engineer <i>Formlabs, Somerville MA.</i> <ul style="list-style-type: none">Authored whitepapers, user guides, blog posts, and webinars on using hybrid workflows across a wide range of industries including engineering, product design, and jewelry manufacturing. Presented to sales and services for training, and deployed externally to generate thousands of marketing qualified leads.Hands-on development and optimization of burnout, debinding and sintering processes. Developed a reliable protocol for examination and analysis of fragile post-burnout refractory molds (cutting test cycle length by 50% and exposing critical product failure modes).Designed dozens of attractive marketing models for web imagery, video, and trade shows. Designed 3D printed sample parts that are currently produced at scale.Helped CAD a prototype revision of the Fuse SLS printer in Solidworks during mechanical engineering crunch time. Designed master-sketch driven sheet metal components now in use.	June 2016 — Dec 2018
	3D Designer <i>Lippincott, New York.</i> <ul style="list-style-type: none">Conceptual design and visualization of new branding, 3D retail visualization for Samsung, Nissan, Comcast and United Airlines.	June 2011 — September 2011
	3D Design Intern <i>Ralph Appelbaum Associates, New York.</i> <ul style="list-style-type: none">3D modeling, rendering and visualization of museum exhibition design concepts.	June 2010 — September 2010
Education	New Jersey Institute of Technology Bachelor of Arts in Digital Design	Graduated May 2016
	University of Cincinnati, College of Design, Art, Architecture and Planning Bachelor of Science in Architecture	3 years
Software	Solidworks, Onshape, Blender, N-Topology Element, Meshmixer, Z-Brush, Maya, Adobe CC (Photoshop, Illustrator, After Effects), Houdini FX, Octane Render, Keyence VK Analyzer, Salesforce	
Skills	Product management, materials test design, 3D modeling (solid, freeform and parametric), part design for AM, lost-resin metal investment casting, ceramics debinding and sintering, metrology, technical writing	