



paulditullio.com
508.847.3275
hello@paulditullio.com

•• SUMMARY

As a product designer & engineer, my skill set caters to the creation and development of physical goods, particularly consumer products. Depending on client needs, I can work both collaboratively and individually, and my focuses include: concept development & ideation, CAD, iterative design, prototyping, and design for manufacturing. I am currently based in Fort Collins, CO.

📁 EXPERIENCE

Paul DiTullio, LLC
Fort Collins, CO
09.2018 - Present

Product Design Engineer

- Collaborate with inventors, start-ups, and established businesses alike to convert ideas into physical, tangible products.
- Available resources: SolidWorks, Fusion 360, Adobe Creative Suite, fabrication shop (3D printing, machining, casting, metalworking, and extensive woodworking capabilities).

Tool, Inc.
Marblehead, MA
04.2016 - 09.2018

Mechanical Engineer II

- Consistently met client demands for a diversity of tasks, including: complex **surface modeling**, building **electromechanical prototypes**, and delivering top quality final products.
- Project lead in development of a protective guard for reducing football-related brain injuries. Surfaced guard model using **SolidWorks** and used **FEA simulations** (SolidWorks, LS-PrePost) to evaluate its performance. Designed guard for **injection molding** and performed extensive lab testing and analysis.
- Led engineering effort in developing mouthguards via transfer & **compression molding** techniques.
- Engineering lead in creating a device that evaluates mouthguard performance via impact testing.
- Tool's in-house machinist, calibrating and operating a **CNC mill**, and utilizing **Fusion 360's CAD & CAM** features to design parts and create toolpaths.

Self-Employed
United States
03.2015 - 04.2016

Freelance Designer

- Traveled extensively throughout the United States while exploring freelance design opportunities.
- Notable projects included: custom microphone design and fabrication; mobile home construction.

John Deere
East Moline, IL
08.2012 - 02.2015

Design Engineer

- Combine (crop harvester) product development. Key responsibilities included: Implementing solutions to reduce cost and improve machine quality and performance.
- Engineering lead for design and development of a crop residue distribution system. Created model using **Creo's** injection molding and sheetmetal feature sets. Developed lab and field testing methodology for analyzing system performance.
- Recipient of Factory Leadership Award.

Albright Technologies
Leominster, MA
06.2010 - 09.2010

Intern

- Designed and manufactured medical grade, implantable silicone devices using both **injection** and **compression molding** techniques.

📖 EDUCATION

Boston University
Boston, MA
09.2008 - 05.2012

Bachelor of Science: Mechanical Engineering

- Awarded first prize for most outstanding capstone project.
- TA for Professor Dan Cole: 'Product Design' and 'Computer Aided Design' courses.
- Leading member of Boston University Design and Engineering Club.