

# DEREK TIMM

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## Design Engineer

Diverse experience bringing products to market in many different industries. Very creative mind with the ability to develop unique and effective solutions. Valuable knowledge of mechanical and electrical design. Efficient with most modern CAD design & data management software. Extensive knowledge of assembly/production processes. Extremely valuable experience working with many startups to take ideas from concept to reality. Online Portfolio at [www.Rapid3Designs.com](http://www.Rapid3Designs.com)

## Qualifications

- Very capable in all aspects of mechanical and electrical **Design & Development**
- **Project Management** Experience
- Advanced **Modeling & Surfacing Skills**
- Experience with most **manufacturing techniques**
- Proficient with all of **Microsoft Office Suite**
- Exceptionally skilled with **CAD Design Software**
- Proficient with **Solidworks, AutoCAD, and Creo**
- **3D Printing experience** (FDA, SLA)
- Experience with **Simulations & FEA**
- Experience with **Web Development & Advertising**
- **I-CORPS training** for lean business practices

## Education

<b>2010</b>	<u>Communications and Media Arts Degree</u>	Genesee Community College
<b>2012</b>	<u>Business Admin. Degree</u>	Genesee Community College
<b>2014</b>	<u>Enterprise PDM Administrator training</u>	CADimensions, Buffalo NY
<b>2015</b>	<u>Solidworks Essentials 2015 training</u>	Trimech Solutions, Charlotte NC
<b>2015</b>	<u>TeamCenter PLM Training</u>	WiPro Services, Charlotte NC
<b>2016</b>	<u>I-CORPS Business Development</u>	University of Central Florida, Orlando FL

## Professional Experience

<u>Rapid3Designs.com</u>	<b><u>2/16-Current</u></b> <b>Owner</b>	Charlotte, NC / Orlando, FL
-	I run a small CAD design company specializing in product design and development. I have a small team of experienced designers and engineers ready to tackle any project.	
<u>Enventys</u>	<b><u>7/16-8/17</u></b> <b>Innovation Director</b>	Orlando, FL
-	Provide innovation & development services to doctors & entrepreneurs developing new products	
<u>Guidewell Innovation</u>	<b><u>7/16-6/17</u></b> <b>Industrial Engineer</b>	Orlando, FL
-	Work with startups and early-stage companies to help them develop products and effectively bring them to market.	
<u>Newell Rubbermaid</u>	<b><u>2/16-7/16</u></b> <b>Product Designer</b>	Charlotte, NC
-	Design new products & update current products for Rubbermaid Commercial division. Involved sheet metal fabrications as well as plastic molding.	

**11/14-9/15**

AssaAbloy

**Product Designer**

Charlotte, NC

- Work with design team to develop the latest generation of door controls (door openers, closers, locks). Involved designing very precise parts with tight tolerances using GD&T standards.

**7/13-9/14**

Harmac Medical Devices

**Solidworks Designer**

Buffalo, NY

- Design and draft medical devices. Contract Engineering firm for a wide variety of customers. Worked directly with engineering team to design and draft new products.

**11/12-7/13**

Sealing Devices

**Solidworks Drafter**

Lancaster, NY

- Design and draft custom Seals for a wide variety of applications. Create new seals, sometimes from old drawing or by reverse-engineering used or broken seals given to us by customers.

**11/12-5/13**

Simulated Surgical Systems

**Engineering Internship**

Lancaster, NY

- Design, Assemble, and improve surgical robots used with the Da Vinci Surgical System.

## **Personal Projects & Achievements**

**2017**

**HIMSS Health IT Conference**

- Volunteer at the Intelligent Health Pavilion. HIMSS Convention, Orange County Conference Center.

**2016-Current**

**CloudWell Labs Early Team Member**

- Early stage employee at medical device start-up CloudWell Labs. Involved in original prototype development, including using focus groups to perfect form factors of electronic casings.

**2013-Current**

**Electric Motorcycle**

- High power electric bike powered by custom built lithium batteries, capable of 50mph.

**2014**

**Drones for Aerial Photography (2 built)**

- First one built was large enough to carry a DSLR camera. Second one was smaller and faster, designed for a Go-Pro camera. Successful builds, sold for profit.

**Other**

- 10+ years of racing motocross. Countless time spent maintaining and repairing dirt bikes taught me valuable mechanical skills and how changes effect real-world performance.
- Woodworking. Many successful projects, some furniture grade.
- Experience with microcontrollers & basic programming.

