



Griffin van Horne

griffinvanhorne.com

Product Design & Rapid Prototyping

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Co-founder and Chief Technology Officer

Bishop Visual, LLC

Jan. 2017 - Present

- Designed and prototyped large-scale and portable displays for the visualization of three-dimensional scientific and medical imaging using parametric CAD and rapid manufacturing
- Worked with scientific researchers and biotech professionals to determine how to best visualize their volumetric imaging and biotech innovations using our software development capabilities and display systems
- Developed a custom large-scale Pepper's Ghost display for a client to present his innovative medical device and neuroscientific research at the 2019 McLean Research Day

Co-founder

Traintrackr, LLC

Sep. 2019 - Present

- Utilized parametric CAD and rapid prototyping to accelerate product development
- Oversaw product design and successfully launched seven live LED data maps
- Performed electronic assembly, programming, quality control, and fulfillment of over 250 units
- Performed extensive market research and performed quantitative analysis of customer feedback to optimize product offerings
- Personally responded to customer service claims to ensure the highest quality customer experience
- Featured in The Boston Globe and on WHDH Channel 7 News to discuss our products

Board Member

Cambridge Hackspace

Jan. 2019 - Present

- Helped advance the mission of a 501(c)3 non-profit maker space
- Contributed to developing protocols for the safe reopening of our maker space during the Covid-19 pandemic
- Organized "Virtual Project Nights" to maintain community involvement during quarantine
- Trained members in the safe use of power tools, laser cutters, and 3D printers

Freelance Product Design & Rapid Prototyping

Dec 2019 - Present

- Designed and manufactured a 3D printed, modular, adjustable viewport bracket and camera mount for an aerospace-grade solid-state water pump
- Designed and prototyped a silicone gasket for an alternative N95 respirator during the Covid-19 pandemic using 3D printed molds and fixtures
- Performed design-for-manufacturability reviews of designs for 3D printed molds for silicone parts
- Modified designs for additive manufacturing compatibility of jewelry designs and created 3D printed, form-and-fit prototypes for review by the jeweler's clients

Teaching Fellow

Harvard Design Lab

Sept. 2020 - Present

- Served as teaching fellow for the Integrated Design course, taught by Professor Beth Altringer and Roberto Verganti, along with two other Cambridge Hackspace board members
- Worked with six groups of MS/MBA students to aid in parametric CAD methodology, design for manufacturability, and rapid prototyping techniques
- Utilized Cambridge Hackspace's tools and facilities to perform remote prototyping services for the students, and help them complete a wide range of projects

Education

BA in Biology

Bard College

Sep. 2012 - May 2016

- Senior Thesis: *The Optimization of the Synthetic Alarm Substance to Develop a High-Throughput Screening Tool for Potential Anxiety-Reducing Substances*

Technical Skills

Parametric CAD - 3D Printing - Laser cutting

Autodesk Fusion 360 - Adobe Illustrator - Autodesk Meshmixer - Microsoft Office

PrusaSlicer - Formlabs Preform - Markforged Eiger