

Joe Griebel

Product design engineer with nine years experience in all phases of product design including: concept generation, prototyping, engineering design, and mass manufacturing/quality control. Experience with full phase project management. Skilled in communicating effectively within diverse teams featuring members of varying skill sets, native languages, and cultural backgrounds. Project portfolio can be found at joegriebs.wixsite.com/portfolio



(719) 482-6716



joegriebs.wixsite.com/portfolio



Colorado Springs, CO

Work Experience

May 2018 - Present

Senior R&D Engineer Philips IGTD

- Responsible for the industrial design and design for manufacture of a novel handle/valve design for a laser atherectomy device.
- Responsible for the design of a physician training placard to be utilized within the sterile field.
- Involved in testing, reporting, and root cause analysis withing Design Verification & Validation activities in preparation for IDE submission.
- Implemented SCRUM methodology for Design Verification & Validation activities, IDE Submission, and Clinical Ops for a laser atherectomy device.

Dec 2012 - May 2018

Principal Design Engineer Mind Rocket, LLC

- Served as project lead on more than 25 external product design projects including medical devices, consumer products and sporting equipment.
- Provided 3D parametric modeling and aesthetic design guidance on all internal consumer projects from concept generation to mass manufacture.
- Oversaw all design, marketing, media production and project management aspects of crowdfunding campaigns for four separate products -raising nearly \$1 million in total funds.
- Coordinated internal branding strategy spanning customer service strategy, app/website design, digital marketing, and packaging design.
- Contributed to implementation of QC procedures in a mass production facility in Taiyuan, China.

May 2011 - Dec 2012

Senior Design Engineer MIND Studios

- Provided mechanical design and 3D parametric modeling services on internal and external projects.
- Interfaced directly with clients to determine project scope, budget, deliverables and timelines while taking an active role to prevent feature creep.
- Developed a computational model for the heat transfer through a medium due to laser irradiation.

Education

Aug 2011 - Dec 2012

Master's of Science in Mechanical Engineering University of Colorado at Colorado Springs

- Graduated with Highest Honors, 3.98 GPA
- Thesis: Numerical and Experimental Modeling of Heat Transfer in a Homogenous Medium Due to Laser Irradiation.

Aug 2007 - May 2011

Bachelor's of Science in Mechanical Engineering University of Colorado at Colorado Springs

- Graduated first in the College of Engineering, with Highest Honors, 3.98 GPA
- Minors: Aerospace Engineering, Mathematics, and Leadership Studies
- Outstanding Undergraduate Award (sole recipient)
- Chancellor's Leadership Class Scholar
- El Pomar Scholar
- National Science Foundation Scholar

Skills

Project Management

- Experience managing full cycle product development projects with aggressive timelines and limited resources
- Experience implementing SCRUM methodology in a highly regulated industry
- Experience collaborating with team members within engineering, marketing, and sales.

Product Design and Develop-

- 10 years experience in CAD 3D Modeling and Engineering Analysis (Solidworks, COMSOL, TAK)
- Experience in packaging design including: thermoform design, box design, manual/training placard design
- Proficiency with Adobe Creative Cloud (Photoshop, After Effects, Illustrator, InDesign)
- Experience performing statistical analysis in MATLAB and MiniTab (t-test, confidence intervals)
- Experience creating algorithms within MATLAB and Python coding languages