



Colin Zannoni

Industrial Design & Product Development

San Diego, CA 92107
(609) 947-0082 - ColinZDesign@Gmail.com

PERSONAL SUMMARY

Established design professional with 10+ years of design experience in a diverse range of industries. Constantly mastering new applications, software and specialized design techniques. Embracing creative challenges and opportunities both personally and professionally.

ACADEMIC

Art Institute of Philadelphia, Pennsylvania
Bachelor of Applied Science, Industrial Design – March 2013
GPA 3.85/4.00

Mercer County Community College, New Jersey
Associate of Science, Computer Science – Jan. 2008
GPA 3.65/4.00

KEY ACHIEVEMENTS

- Outstanding Achievement Award 2013 - Art Institute of Philadelphia
- 3 Best of Class Awards: Human Factors, Product Design, Typography
- 2012 Philadelphia Center City District - PAWS Creative Art Exhibit

MEMBERSHIPS

(IDSA) Industrial Design Society of America Member 2012-2016

AREAS OF EXPERTISE

Industrial Design, Product Development, Invention, Engineering.

SKILLS

- Proven ability to efficiently translate complex designs from concepts to finished products while managing multiple projects under defined budgetary and timeline constraints.
- Self-motivated team player who works well with others in a creative, fast-paced environment.
- Recognized for possessing the cross-functional communication skills necessary to convert intricate designs to finished products with the required engineering accuracy and detail.

WORK HISTORY

- **Product Development Engineer**, Formidable Contracting Inc, Philadelphia, PA

Aug. 2020 – Present <http://www.fcinc.org/>

Develop products, experiences, and event spaces for various tech, commercial, and retail companies.

- Designed event and retail spaces with focus on industrial design, technical drawings, and manufacturing
- Creation of initial designs through to final design concepts detailing features and materials.
- Recognized for being the “idea person” with an eye for form and function utilizing strong conceptual design, CAD modeling and 3D rendering abilities.
- Possesses ability to spot trends and convert those ideas into new product concepts.
- Work with clients to meet the project expectations and achieve timeline goals.

SOFTWARE (MAC+PC)

- Adobe CC Suite
- MS Suite
- SolidWorks
- Rhino
- Matrix
- Keyshot
- Magics
- RhinoCAM
- AutoCAD
- Blender
- 3DSMax

- **Toy Invention & Product Engineer**, JMP Creative, Irvine, CA

Nov. 2018 – Aug. 2020 <http://www.jmpcreative.com/>

Invent toys & develop products for various industry leading toy and entertainment companies.

- Designed and engineered 50+ products from concept to fully functional prototype.
- Integrated CAD and the latest 3D printing technology to generate product parts/mechanisms.
- Efficiently managed the development of various projects throughout the entire design process successfully completing short and long-term goals.
- Utilized expertise of materials knowledge and manufacturing methods to achieve a streamlined product development process.
- Coordinated with various vendors, locally and globally, to obtain product samples/parts.

- **Product Design Engineer**, Ellison Educational Equipment, Lake Forest, CA

Jan. 2016 – Nov. 2018 <http://www.ellison.com/>

Design for high-volume manufacturing of plastic/polymer parts, hand tools, and metal components.

- Developed and engineered 15+ original, patentable products and mechanisms in adherence with Ellison brand standards.
- Incorporated feedback from multiple departments to optimize the product and meet stakeholders' expectations.
- Identified, analyzed and solved complex product design, engineering, prototyping and manufacturing obstacles to meet established project goals and deadlines.



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WORK HISTORY (CONTINUED)

- Created manufacturing drawings and related documentation with advanced knowledge of geometric dimensioning and tolerancing.
 - Collaborated with the executive team to solve technical problems and identify design and manufacturing cost improvement opportunities with new and existing products.
 - Explored design alternatives, tested theories and confirmed performance prior to manufacturing and final production.
 - Worked directly with contract vendors, in-house production staff in China and internal QA teams to ensure that finished product quality and specifications were achieved and maintained.
 - Trained and managed 2 new team members.
- **Product Development Specialist**, Ellison Educational Equipment, Lake Forest, CA
Sept. 2015 – Jan. 2016 <http://www.ellison.com/>
Designed tools, parts, and accessories for the education and craft industries.
 - Generated 5+ new product concepts and managed the process from conception to production.
 - Managed project timelines and resources and provided vendors with detailed manufacturing documentation.
 - Developed and initiated workflows and processes to improve efficiency and reduce cost.
 - **Product Development Consultant**, 24/7 Prototyping LLC
June 2015 – Present <http://www.247prototyping.com/>
Provide customized project management and product design consulting services.
 - Led research for 15+ new products, product enhancements and product redesign.
 - Evaluated the potential and practicality of product concepts.
 - Sourced manufacturing, generated detailed quotes and budgeted spending for clients.
 - Created product design schedules and ensured deadlines were met.
 - **Product Development Engineer**, VTse Inc./Christian Tse Corp.
Nov. 2013 – June 2015 <http://www.vtsejewelry.com/>
Designed and engineered highly detailed fine jewelry and custom findings for manufacturing and production using CAD software.
 - Managed 150+ projects through cross-functional departments from concept to assembly of final product.
 - Created 250+ photorealistic concept and product renderings for presentation using V-Ray and Keyshot.
 - Maintained detailed material cost-of-goods, parts lists and diagrams for assembly and manufacturing of fine jewelry.
 - Developed and implemented production process control techniques.
 - 3D modeling and rapid prototyping of fine jewelry using state of the art 3D wax printing technology.
 - Serviced, diagnosed and repaired 3D Systems ProJet and Solidscape wax printers in-house to minimize production delays and reduce operating expenses.
 - Developed and implemented specialized post-production cleaning process of 3D printed wax models.
 - **Product Development and Graphic Design Consultant**, ColinZ Design
Jan. 2013 – Present <http://czannoni.wixsite.com/colinzdesign>
Digital product development, CAD modeling, rendering and prototype modeling with hand tools and machines.
 - Created watertight sliced .stl files for 3D printing.
 - Concept and design of product packaging, including mechanical layout.
 - Designed and developed logos, including sketching and illustration.
 - **Product Design & Development**, Scrambled Eggz Productions, Medford, NJ
Oct 2004 – June 2013 <https://scrambledegz.com/>
Conceptualized, developed, engineered, prototyped and tested products.
 - Design and fabrication of products, product mechanisms and electronics.
 - Presented and demonstrated 50+ working prototypes and product concepts to clients.
 - Storyboarded, produced and edited 40+ product and prototype concept videos.
 - Produced 50+ intricate full-scale prototype mock-ups for client approval.