



Markus Ricardo

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Brooklyn, NY

Education

Rensselaer Polytechnic Institute
B.S. Mechanical Engineering
Minors in Graphic Design
Psychology

Skills

Autodesk Inventor
AutoCAD
Revit
Microsoft Office
Adobe Illustrator
Adobe InDesign

Leadership

Sigma Alpha Epsilon Fraternity
President
Risk Manager
Steward

Interests

Logo design
Illustration
Sculpture
Product design
Furniture design

Design Associate at Island Exterior Fabricators

New York City, NY Jan. 2019-Present

Assisted in the design and modeling of curtain wall and mega panel building exteriors

Produced 3D models, part drawings, and fabrication tickets using Autodesk programs such as AutoCAD and Inventor

Projects:

Coney Island Hospital

Modeled and managed the fabrication information for several subsystems of the testing mock-ups using Inventor and Excel

Reviewed and managed the fabrication information provided by a third-party drafting company

Project Engineering Co-op at Hasbro Inc.

Pawtucket, RI Spring 2018

Worked daily with our overseas partners and the cross-functional team to maintain schedule, meet financial goals, and exceed quality standards for over 40 projects on Star Wars collectors and kids brands

- Managed production samples, cost estimated toy concepts
- Led and participated in sample reviews, communicated production concerns to manufacturing teams
- Designed graphic icons to quickly relay production concerns to foreign counterparts
- Improved Excel macros to reduce time spent processing forms
- Managed a data base of reference material to assist in the design process throughout production

Projects:

Engineering Product Innovation Challenge

Worked with cross-functional team to design and develop a product based on a prompt and present this product to senior management.

Worked through the entire design and development process including market research, cost reduction, and play testing

Deep Dive Initiative: Future of Gaming

Worked with co-ops of several disciplines to research, cost estimate, and develop solutions for more sustainable packaging of board games.

Presented four solutions to the Director of Sustainability and the Vice President of Design and Development

Facade Design Intern at Island Exterior Fabricators

New York City, NY Summer 2016, Summer 2017

Projects:

NY Wheel Modeled and revised the preliminary design of a rooftop guard-rail to reduce material costs and installation costs, while meeting architects' specifications and complying with the building codes of New York City

Cornell Tech Developed cut drawings and models for the typical steel extrusions used for the curtain wall system

Prepared CNC router cut drawings for the finish parts used in the panel system