

Michael Charpin

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EXPERIENCE

Project Manager

Miniature World

July 2022 - Present, Staten Island, NY

- Supervised a diverse team of 40 model makers in the creation and development of an expansive model train exhibit showcasing intricate replicas of global regions, including NYC, Europe/UK, the Middle East, Russia, and Asia.
- Leveraged strong interpersonal and leadership skills to achieve a 30% increase in productivity through effective delegation, clear goal setting, and regular feedback.
- Optimized resource allocation, achieving an average team productivity increase of 15% by implementing resource leveling techniques.
- Mitigated high-risk factors across 12 projects by simplifying project scope in order to avoid potential delays.
- Utilized technical expertise and creative problem-solving to contribute to the development of 3 captivating mechanical animations, adding a dynamic element to the exhibit.
- Reduced project costs by 15% by sourcing alternative, cost-effective materials without compromising quality.

Team Lead

Union Garage

December 2020 - July 2022, Brooklyn, NY

- Overhauled order processing workflows leading to a 30% increase in order fulfillment accuracy.
- Systematically synchronized 7,000+ inventory items between the in-store POS and the e-commerce site, ensuring seamless transaction and inventory management.
- Maintained an average customer review rating of 4.9/5, enhancing brand reputation and influencing purchasing decisions by communicating clear guidance to the sales team, enabling them to excel in their roles and exceed customer expectations.

Senior Industrial Designer

Proteus Motion

January 2017 - August 2020, Long Island City, NY

- Spearheaded the rapid creation of 6 fully functional handle prototypes, a critical step in showcasing the viability and groundbreaking nature of the Proteus fitness machine to early-stage investors.
- Conducted user-centered research, implemented design changes based on user feedback resulting in the successful introduction of product designs that captured emerging consumer preferences and led to a 100% sales increase.
- Independently acquired the skills to design Computer-Aided Manufacturing (CAM) files and proficiently operate CNC routers increasing prototype and production component development by a factor of 10.
- Developed an innovation pipeline that generated 6 patent applications, contributing to intellectual property growth and technological leadership.
- Headed initiatives to reduce technical debt by 20%, resulting in enhanced system stability and improved development velocity.

Junior Industrial Designer

Zebra Technologies

October 2015 - September 2016, Holtsville, NY

- Conducted human factors research to effectively influence design choices, resulting in product features that resonated with end-users and 3 design awards.
- Liaised with global engineering and manufacturing teams to ensure 100% alignment on design specifications and feasibility.
- Integrated feedback from senior designers into designs, indicating a willingness to learn and adapt based on critiques.

Draftsmen

Gentex Corp.

January 2012 - August 2015, Boston, MA

- Managed revisions for 30+ projects, maintaining clear version control and minimizing errors during updates.
- Launched a streamlined documentation process, resulting in a 50% reduction in drafting time.
- Delivered completed drafts ahead of schedule for 90% of projects, contributing to efficient project timelines.

EDUCATION

Bachelor of Science in Industrial Design

Wentworth Institute of Technology • Boston, MA • 2013

CERTIFICATIONS

Javascript Certificate

Learn Javascript Online

Proficiently acquired modern JavaScript (ES2015+) skills from the ground up, honing expertise through hands-on practice.

SKILLS

Web Development: HTML, CSS, JavaScript, TailwindCSS, Responsive Web Design

Industrial Design: Rapid Prototyping, Iterative Design Process, User-Centered Design, Usability Testing, User Research, Technical Documentation