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Product Display Product Design Engineer - Intern

Job Summary

Apple Inc. is looking for a Product Design intern to join the Product Display team. This team designs innovative hardware solutions for Retail/Channel spaces and Special Events (Apple Announce, WWDC, store openings, etc). These solutions focus on building the best possible first customer experience and introduction to Apple products.

This engineer will play a meaningful role in the design and implementation of showing our products to the world through our retail stores, events and channel partners. Their responsibilities will span from technology development and concept generation to detailed design, analysis and testing through mass production ramp. You will learn aspects of many areas including machine design, material selection, manufacturing processes (CNC, injection molding, polishing, sheet metal, etc), simple stress analysis, PCB integration and cosmetic detailing.

Potential Responsibilities Include

- developing initial product layouts and new technology concepts
- mechanism design
- model building to prove function, manufacturability, and robustness
- designing and building alternative form factors and kinematic behaviors to support ergonomic optimization
- analyzing data generated from builds and lab experiments
- supporting technology investigation and development
- generating and accepting feedback in brainstorming and design review forums
- performing tolerance analyses to verify performance of mechanisms and cosmetic specifications in the presence of high volume dimensional variation
- detailed design and 2D documentation of all parts and assemblies
- interacting with vendors to develop manufacturing processes and tooling concepts
- traveling to support build activities including finding root cause for failures and solutions for issues that impede build progress

- working with operations teams to evaluate and develop supply chains capable of manufacturing new subsystems and products
- defining testing requirements and equipment

Key Qualifications

- working towards a bachelors degree in mechanical engineering
- experience working in a team environment; self-motivated to identify and close design issues
- ability to articulate design issues in quantitative terms both verbally and with documentation