



EXPERIENCE

Senior Product Engineer

Feb 2016 to Aug 2018

- Drove new product development for THD private brands through product benchmarking.
- Supported merchandising by developing product requirements and creating testing protocols for pre-purchase testing (over 2000 SKU's among 100+ vendors), ensuring quality and functions of products sourced
- Performed Value Engineering tasks through costing of private and national brand products, resulting \$6M cost out for seasonal purchase
- Created innovative processes with pre-purchase testing service providers such as to fast track program management of over 2000 seasonal décor products, resulting 100% on schedule delivery of import products to
- Worked with Certification Bodies to create new safety standards for seasonal décor products
- Dealt with all compliance issues of all import products
- Engaged in managing departmental support plan for merchandising group

Product Engineering Manager, Commercial Air Conditioning

Nov 2010 to Feb 2016

- Product management of new HVAC products for 3 generations (over 100 SKU's per generation) involving conceptual feature determination, engineering product documents, initial product launch and end-of-life management
- Acted as the key negotiator with the HQ R&D for a prioritizing features and developing product roadmap and closely work with cross-functional teams (R&D, Quality, Product Planning, etc.) within the HQ to justify design concepts and local market requirements
- Determined GTM strategies through extensive cost-benefit analysis for new products and related applications by creating detail-oriented target-specific engineering, marketing and technical materials: Resulted with over 30% sales growth for three consecutive years
- Drove the execution and delivery of product by creating common engineering data such as metrics
- Worked on demand planning for service parts and managing BOM to create user-friendly part list
- Innovative process development for after-market service operation: Successfully created a new service process to reduce the service lead time by more than 50%.
- Effective management of scarce resources: Lead a team of 7 technical field engineers to cover the entire US territory

specializing in railway cars and armored vehicle

Project Engineer

Sept 2009 to Nov 2010

- Project schedule management for railway cars to provide on-time delivery to Transit Authorities by working with over 50 vendors in US
- Optimized batch manufacturing process of railway cars
- Managed engineering materials and designs from over 50 vendors to comply with Transit Authority requirement
- Performed multiple quality and field tests for delivered railway cars and vendor supplied equipment

Graduate Research Assistant

May 2004 to Dec 2007

- Innovated new reliable assembly processes for next generation
- Created no-flow underfill assembly process development using lead-free flip chip interconnect

Analyst/Consultant

Feb 2003 to Apr 2004

- Developed new merchant management program for largest credit card company in Korea improving corporate cost structure and providing benefits to merchant customers
- Investigated and proposed overseas investment opportunities for downstream supply of natural gas clients

[REDACTED]
Summer Intern

[REDACTED]
July 2000 to Sept 2000

- Researched and benchmarked foreign companies for CJ group knowledge management project and presented eLearning mini tasks to team members

EDUCATION

[REDACTED]
M.B.A., Strategy Concentration

[REDACTED]
May 2015

- Goizueta Consulting Association

[REDACTED]
M.S., Mechanical Engineering, Manufacturing

[REDACTED]
May 2009

- Conducted advanced manufacturing process research for high-end micro-scale electronic devices

[REDACTED]
B.Eng., Materials Science and Engineering

[REDACTED]
September 2002

- President, Imperial College Korean Students Association

SKILLS & SOFTWARES

- Knowledge and applications of [REDACTED]
- Data analysis and Design of Experiment using Minitab
- CAD software such as UGS NX, Solid Works and Pro Engineer
- Proficient in Microsoft Office and Tableau

ADDITIONAL INFORMATION

- US Citizen/ Fluent in Korean