

AMBER AGGARWAL

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Over six years of experience in product design, development and launch as a product lead and mechanical engineer. Strong ability to quickly and efficiently analyze a problem and identify the core root causes. Quality driven, six sigma Black Belt trained, with diverse analytical skills focused on continuous improvement. Proven ability to work in a multicultural environment by leveraging personal on-the-ground experience in Asia, Africa and US. Demonstrated skills in Mechanical Engineering principles and Product Management through the Masters of Engineering Management program at Northwestern University.

PROFESSIONAL SKILLS

- Product Management
- Data Driven Product Strategy
- Vendor Relationship Management
- Effective Negotiator
- Six Sigma Black Belt
- Robust Presentations
- Competitive Market Research & Analytics
- Failure Modes and Effects Analysis (FMEA)
- Cross-functional Team Leader

WORK EXPERIENCE

MOTOROLA MOBILITY LLC, a LENOVO Company, Chicago, IL

April 2015 – Present

HW Product Lead / Sr. Mechanical Engineer - Front Camera

- Portfolio planning and defining product specifications for all front facing cameras on Motorola/Lenovo smartphones.
- Excel in collaborating with clients, managing 10+ vendors, both domestic and overseas to bring them up to speed per Motorola quality standards.
- Conduct competitive market research & analysis which drives the product roadmap for front-facing cameras.
- Resourcefully address multiple financial constraints and laborious logistics to overcome project challenges.
- Project lead for streamlining Motorola camera hardware specifications which led to a reduction of more than 70% of excess documentation increasing efficiency for both vendors and multiple imaging teams.
- Managed 8 integrators from concept through mass production of 4 different front-facing camera modules on the latest Motorola smartphones such as Moto Z, Moto G4, Shatterproof Droid Turbo, etc.

MOTOROLA MOBILITY LLC, a GOOGLE Company, Libertyville, IL

August 2013 – April 2015

Mechanical Engineer II

- Led all stages of design and production of 6 camera configurations simultaneously in award winning Motorola products, such as Moto X, Moto G, Moto E and Droid franchises.
- Fostered effective communication to influence products among technical and non-technical teams by using my technical and strategic background.
- Reviewed and documented over 15 different camera modules simultaneously and maintained each Motorola specification to facilitate timely release to vendors.
- Created technical reports and evaluated module assembly status through mechanical inspection. Responsible for providing Engineering and Design solutions using GD&T and statistical quality control.

Mechanical Engineer I

August 2011 – July 2013

- Use ProE for 3D design work of camera modules which included various injection molded pieces, machine metal parts, FR4, and flexible PCB's and sheet metal parts.
- Hands-on expertise with failure analysis, tolerance analysis, and environmental testing.
- Leveraged laser metrology and statistical methods to diagnose and correct improper quality control practices.