|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | |  |  | | --- | --- | |  | Lancaster, PA 17602 | |  | (717) 538-7477 | |  | Devin.F.Moore@gmail.com |     Summary  Versatile Mechanical Engineer with 10 years of experience designing complex electro-mechanical systems in the moving camera industry. Demonstrated expertise in 2D/3D CAD, product development, cross-functional collaboration, and manufacturing materials and methods.    Skills   * AutoDesk CFD & FEA * Creo Parametric – 2D/3D CAD * Design for Manufacturing (DFM) * Design for Assembly (DFA) * Failure Modes & Effects Analysis (FMEA) * Geometric Dimensioning & Tolerancing * Manufacturing Methodologies – Diecasting, Machining, Injection Molding (Plastic/Rubber) * MATLAB & Python * Microsoft Office 365 - Excel, Project, SharePoint, Visio * SAP     Websites, Portfolios, Profiles   * http://linkedin.com/in/devin-moore-b4a13358 |  | Devin Moore    Experience  May 2014 - Current Robert Bosch | Mechanical Engineer | Lancaster, Pennsylvania   * Analyzed project requirements and reliability goals to design solutions for complex engineering problems. * Performed calculations to determine load capacities, material stresses, and deflections to select proper design material * Performed root cause analysis of problems, documented faults in design, and generated reports * Collaborated with electrical, software, and quality departments on new product designs from concept to completion. * Cooperated with marketing and sales groups to ensure aesthetic appearance and user experience was acceptable for external parts * Led new product development and problem-solving projects and drove them to implementation * Utilized PTC Creo with Windchill to design 3D components and create 2D drawings according to ISO & GD&T standards * Conducted Design for Manufacturing (DFM) reviews with part suppliers in America, Europe, and Asia * Researched and utilized different manufacturing materials and methodologies including metal diecasting, machining, plastic and rubber injection molding, and sheet metal forming * Completed Design for Assembly (DFA) reviews with manufacturing plant in Portugal * Participated in Focus Area Matrix (FAM) and Failure Modes and Effects Analysis (FMEA) reviews with project teams * Managed and prioritized tasking across multiple projects to ensure all deliverables were completed within given timelines     Education and Training  May 2021  Masters of Science | Mechanical Engineering  The Pennsylvania State University, State College, PA  December 2015  Bachelors of Science | Mechanical Engineering  The Pennsylvania State University, State College, PA  Activities and Honors  **High School Boys JV Volleyball Coach, 2016-Present**  **High School Girls Varsity Volleyball Coach, 2019-Present**   * Plan practices, teach teamwork and skill concepts, lead coaching staff     Certifications   * Python for Everybody Specialization, Coursera, September 2023 * Mathematics for Engineers, Coursera, February 2024 * Geometric Dimension and Tolerance, Udemy, May 2024 * LSS Yellow Belt, Udemy, May 2024 * LSS Green Belt, ASQ, In Progress, Planned October 2024 |  |

.