|  |  |  |
| --- | --- | --- |
| **Amber Miller** | **1247 Vaughan Dr.**  **University City MO, 63130** | **(314)319-0992**  **aarepke@outlook.com** |

**PROFESSIONAL PROFILE**

|  |
| --- |
| * Combination of strong business and engineering backgrounds enabling a high visibility and understanding of budgetary and process flow operations of engineering projects. * Highly analytical with notable skills of high attention to detail, strong technological understanding, data collection and analysis, with exceptional interpersonal skills. * Advanced computer skills: fluent in Excel, multiple AutoCAD software such as Creo and SolidWorks, MatLab, Access, Publisher, MS Project, budget/accounting programs, HTML basic and Java coding and an interest to learn more advanced coding. * Actively pursuing PMP certification and PE licensing. |

**EDUCATION**

|  |  |
| --- | --- |
| **University of Missouri – St. Louis/Washington University – St. Louis, MO**  BS Mechanical Engineering | **Graduated: December 2022**  GPA: 3.61 |
| **Lindenwood University – Belleville, IL**  BS Business Administration  *Minor: Finance Emphasis: Accounting* | **Graduated: May 2018**  GPA: 3.89 |

**WORK EXPERIENCE**

|  |  |
| --- | --- |
| **Nidec Motor Corporation, Saint Louis, MO**  *Robotics and Motion Project Engineer/Mechanical Engineer*   * Lead new product development for multiple motor applications, including design review, drawing reviews, safety reviews, DFMEA, FEA, etc. Report activities to management through stages of NPD to production. * Manage project finances such as project budget and customer purchase orders for DV, PV, and start of production, to report to management regularly. * Manage engineering BOM and drawing markups with various teams like operations and procurement. Manage signoffs with client and DFM’s with vendors to validate a complete design for production. * Manage team up to 6 people for development builds and assisting in communication in cross-function teams such as operations and procurement moving into production. * Train, mentor Engineering Co-ops and Junior Engineers. * Develop, validate, and report on cost saving, and operation efficiency, and vendor changing for key components such as magnets, magnet wire and seals. | January 2023-Present |
| **Nidec Motor Corporation, Saint Louis, MO**  *Robotics and Motion Junior Engineer*   * Develop, validate, and report on cost saving, and operation efficiency, and vendor changing for key components such as magnets, magnet wire and seals. * Assist new product development for multiple motor applications, including design review, drawing reviews, safety reviews, DFMEA, FEA, DFM, test validation, SEIM, DFM preparation reports. * Includes all Robotics and Motion Engineering Co-op tasks. | August 2022-January 2023 |
| **Nidec Motor Corporation, Saint Louis, MO**  *Robotics and Motion Engineering Co-op*   * Assist with motor design, quality control, design of prototype tooling, motor assembly review, and managing CAD data in company database systems. * Lead, organize, and report on protype builds up to 450 motors for client. * Manage a database for components, requesting quotes, issuing purchase orders, and tracking supplier lead times. * Handle administrative tasks such as shipping, purchasing, report review, project budget, administrative service reconciliation of monthly engineering purchases, and report meeting minutes. | September 2021-August 2022 |