Peter Griffin

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SUMMARY

Junior Biomedical Engineering student with diverse hands-on, team-based internship and engineering project experience. NCAA student athlete devoting 15-20 hours a week on top of a full academic schedule. Skills in C++, MATLAB, SOLIDWORKS, and 3-D printing.

EDUCATION

B.S. Biomedical Engineering | Milwaukee School of Engineering | GPA: 3.67 | Expected: May 20XX

INTERNSHIP EXPERIENCE

Quality Engineering Intern | Evco Plastics | March 20XX – August 20XX
Objective: Measure medical grade, plastic injection-molded parts, such as COVID-19 test tubes, medicine containers, and surgery disposables, to check for tolerance and conduct new product development tests for new customers.

- Collected critical dimension, visual, and weight data for medical grade production parts via Coordinate Measuring Machine (CMM), Micro-Vu, calipers, scales, and gages.
- Conducted new product development tests, such as time study tests for shrinkage and Gage R&R repeatability tests for gages.
- Reported validation data to Project Engineers and managers for new customers to review process and final product.

Objective: Assist with implementation of warehouse barcoding project to improve functionality and efficiency of current warehouse inventory process.

- Worked alongside other departments to discuss ideas and gather input for project including, Purchasing, warehouse staff, and upper management.
- Received barcodes from Purchasing and reorganized each receiving log in Excel to match barcode/work instructions.
- Provided updates, discussion on new problems, timelines, and process efficiency at weekly meetings.
- Explained project benefits to warehouse personnel needing additional clarification of project objective.

PROJECT EXPERIENCE

Project Objective: Design, prototype, and test a coupling device that allows a standard ECG lead set to interface with an ECG circuit board and ensure intuitive, proper, and safe connections made by healthcare professionals.

- Measured pins and leads for design ports.
- Designed prototype in SOLIDWORKS that indicates which lead goes to which port.
- Identified unique groove design that would allow pins to lock into device.
- Modified design of first 3D printed prototype to correct sizing of ports due to lack of 3D printer's accuracy.
- Assured leads were snug when plugged in and able to be unplugged with reasonable force.
- Wrote a formal 10-page report, including photos, measurement data, and SOLIDWORKS schematics.
- Presented final design to professor and classmates.

TECHNICAL SKILLS

MS Office | C++ | MATLAB | SOLIDWORKS | 3-D Printing | Technical Writing | PC-DMIS | Micro-Vu

NCAA STUDENT ATHLETE EXPERIENCE

MSOE Men's Golf Team (15-20 hrs/wk)

- Daily practice (Spring and Fall) and team workouts 3 times a week (Winter)
- Balanced 2-hour daily practice and weekly 2-day tournaments with full-class schedule
- Practiced controlling emotions in stressful situations

Developed teamwork, time management/prioritizing skills, competitive character, and disciplined work ethic.

LEADERSHIP EXPERIENCE

Team Representative | Student Athletic Advisory Committee | October 20XX – Present

- Performed fundraising initiatives and efforts with "Cans Across the Conference"

WORK HISTORY

Inspector/Packer | Evco Plastics | June 20XX – August 20XX
Ski Instructor | Devils Head | December 20XX – March 20XX