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| **A**lex Ambraziejus |

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|  | ***Professional Summary***  Fourth year Industrial Engineering Undergraduate Student with interests in optimization, continuous improvement, consulting, and business management. Results oriented IE that enjoys challenges of the world and Engineering and Business.  ***Work History***  Senior Metal Bellows, Senior Aerospace – Semiconductor Engineer Co-op  Sharon, MA  *01/2021 - 07/2021*   * Researched varying classes of cleanroom, material choices, construction methods, and outlined comprehensive plan for installation * Communicated with companies to receive quotes and met with contamination specialist to draft a QMS (Quality Management System) for maintaining the cleanroom * Created a Capital Equipment Request (CER) which consolidated business case supported by engineering justifications and requirements * Conveyed business cases to customer for 7 process changes to be made on Copy Exact (CE!) products. * Designed a fixture that reduced setup time/piece by ~95%, saving 51 hours of setup time in 2022 * Participated in Material Review Boards to identify manufacturing trends and to determine various reworks, scrap and salvages, and investigations on rejected parts * Completed Fundamentals of GD&T training, GD&T certified per the ASME Y14.5 2009 Standard * Instituted data collection system to categorize and display all part rejects, allowing leadership to instantly retrieve live information on rejections and manufacturing tendencies * Added overlay of previous years part rejections to track targeted changes and quantify their efficacy * Worked cross functionally with other department to holistically solve problems   Insulet Corporation – Manufacturing Engineer Co-op  Acton, MA  *01/2020 - 07/2020*   * Executed validation (TMV) on high-speed automated manufacturing equipment and helped optimize production line within FDA regulations * Authored a Quality justification memorandum in order to remove an offline process inspection * Developed work instructions, SOP’s for high-speed equipment, drafted protocols and reports under cGMP and FDA guidelines * Completed failure root cause analysis, equipment validation, process improvement and scrap reduction efforts, and statistical analysis * Aided regularly on cross-functional teams to solve urgent business needs affecting production * Lead and assisted on countless critical machine upgrades, Engineering Change Orders, Engineering Trial Runs, and supplier change requests * Garnered a familiarity with Vision systems and high speed imaging used for in-line process control * Gained experience in Process Failure Mode and Effect Analysis (PFMEA) and downstream mitigation * Assisted with Gage R&R to guarantee process inspections (measurements) were not exceeding variation specification limit * Supported machine builds and debugging at local technology suppliers   **The Wellfleet Beachcomber – Line Cook**  Wellfleet, MA  *Summers, 2017 – 2021*  ***Project Experience***  **Cornerstone of Engineering Sustainability Project, 2019**   * Designed and produced a hydro turbine capable of fitting into house-pipes (diameter ~ 1 inch) to capture untapped potential energy of running water in a household * Generated nearly 5V/s consistently * Stored energy could be used to charge a capacitor or could be wired directly back to the house electricity * Generator was integrated with a hydro charging alternator that was connected to a SparkFun Redboard to display live voltage values |  |  | Ambraziejus.a@northeastern.edu 774-273-3216 Boston, MA 02119 https://www.linkedin.com/in/alexambraziejus/02825, Scituate, RI  ***Skills***  GD&T  Minitab  SOLIDWORKS  Excel  C++  MATLAB  AutoCAD  AutoDESK FUSION 360 CAD/CAM  Python  SQL  ***Education***  Expected graduation: May 2023  Northeastern University, Boston, MA  Candidate for Bachelor of Industrial Engineering   * Minor in Mathematics and Consulting * **3.9 Engineering GPA**   **Relevant Coursework**   * Manufacturing Systems and Technology * Calculus 1-4 * Simulation Modeling and Analysis * Engineering Economy (Financial Management) * Financial Accounting and Reporting   **Boston College High School ‘18**  Dorchester, MA  ***Other Information and Interests***   * Youngest to finish the Boston Olympic Triathlon * Traveled to 10 European countries as a Freshman * Enjoy weightlifting and physical fitness * Interests in consulting and business management * Love watching the Patriots win Super Bowls * Rowing enthusiast |  |