

Nathan Denny

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Portfolio: nathandenny.org

EDUCATION	Iowa State University of Science and Technology , Ames, IA (exp.) May 2024 Bachelor of Science in Aerospace Engineering Minor in Spanish Cumulative GPA: 3.74/4.00
EXPERIENCE	The Boeing Company , Everett, WA May 2023 - Aug 2023 Data Science Engineering Intern, Regulatory Administration & Airworthiness <ul style="list-style-type: none">Gathered and analyzed role-specific data from over 40 Boeing documents and assets to contribute to the development of an interactive document organization web toolLed the combination of process instruction documents from various business units, resulting in consistency in instruction enterprise-wideSupported the Enterprise Certification Processes team by collating and sharing information on status requests and organizing meeting information into shareable documents Iowa State University Center for Nondestructive Evaluation , Ames, IA Feb - Dec 2022 Undergraduate Researcher in Vibrothermography <ul style="list-style-type: none">Assisted in the excitation of aircraft fuselage components in a vibrothermography laboratoryPerformed maintenance on a hydraulic power supply and fatigue machine system used to initiate cracks in superalloysOrganized the research team to begin determining the crack closure state of a natural crack formed in a jet engine disk Skach Manufacturing Company , Antioch, IL Jul 2020 - Present Technical Print Drafter <ul style="list-style-type: none">Interpreted outdated blueprints of mechanical parts to draft updated versions using AutoCADManaged the shipping department and closely coordinated with other department leads to facilitate the on-time packaging and shipping of ordersProvided detailed product information to clients regarding REACH, RoHS, and other regulationsCompleted and submitted the Toxic Release Inventory to the EPA for the years of 2020, 2021, & 2022Conducted process capability and gauge repeatability and reproducibility analyses and reports
ENGAGEMENT	American Institute of Aeronautics and Astronautics Aug 2021 - Present <ul style="list-style-type: none">Coordinated with engineering students to design a firefighting aircraft to specific requirements for the 2021-2022 Undergraduate Design CompetitionProgrammed scripts in Python to run calculations, generate graphs, and display them in report format
SKILLS	Languages English (<i>native</i>), Spanish (<i>seven years experience, Illinois Spanish Seal of Biliteracy 2020</i>) Programs Python, Matlab, C, L ^A T _E X, Autodesk AutoCAD, Autodesk Inventor, SOLIDWORKS, OpenVSP, XFLR5, ANSYS Mechanical, ANSYS STK, Microsoft 365, Google Workspace
HONORS	Future Business Leaders of America <ul style="list-style-type: none">First Place, Business Law, Illinois State Leadership Conference Apr 2020First Place, Introduction to Business, Illinois State Leadership Conference Apr 2018