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| Hayden Bussard | Ocean Township, NJ ▪ 412-722-7076  haydenbussard@outlook.com ▪ haydenbussard.com |
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Results-driven engineer with hands-on experience in planning, designing, and delivering nuclear power plant systems and advanced technology solutions. Dedicated to maintaining high standards while promoting team participation for optimization of company goals. Recognized for positive mental attitude with demonstrated ability to communicate and interact effectively with senior management and associates.

Areas of Expertise

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| --- | --- | --- |
| * Engineering Design * Data Analytics * New Business Development * Customer/Vendor Relationships | * Project Management * Technical Communication * Collaboration * Adaptability | * Requirements Analysis * Budgeting & Forecasting * Rapid Prototyping * Industry Insight |

**Professional Experience**

**Westinghouse Electric Company, Pittsburgh, PA 04/2019 – 11/2024**

**Mechanical Engineer**

Conducted various reactor and nuclear fuel services across nine unique PWR power plants domestically and internationally. Developed new and upgraded equipment per customers’ unique needs.

* Led critical issue management for 5 concurrent projects during customer outage, serving as the sole liaison between the customer and company, ensuring rapid issue resolution and project progression, ultimately facilitating timely plant restart.
* Managed teams of technicians under high-stress environments to error-free scope completion.
* Designed an irradiated waste consolidation system that improved storage limitations and extended reactor life expectancy by at least 1.5 years.
* Drove projects from concept to field application/installation on tight deadlines.
* Ensured personnel safety by planning and performing rigorous equipment testing prior to shipping equipment to site.

**Key Projects**

* Engineered a system to convert Cobalt 59 to Cobalt 60, addressing critical supply shortages in medical sterilization for pharmaceutical products and surgical supplies.
* Modified a training facility to incorporate the unique machines and tooling necessary to conduct training for Westinghouse’s new AP1000 reactor units.

**Education & Credentials**

**Bachelor of Science (BSc) Mechanical Engineering***University of Pittsburgh, Pittsburgh, PA*

**Patents**

**Mechanical System for Removal of Highly Radioactive Cobalt-60 Capsules from Metallic Rods**

*Patent Pending*

**Licenses & Certifications**

**Nuclear Engineering Certificate**

*University of Pittsburgh, Pittsburgh, PA*

**Power BI Data Analyst Associate (PL-300)**

*Microsoft | March 2025*

**Azure Data Fundamentals (DP-900)**

*Microsoft | April 2025*

**Technical Proficiencies**

MS Office, Autodesk Inventor, SolidWorks, SAP, Power BI, Python, SQL, PowerQuery, MS Azure