**Nathaniel C Horn**

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**WORK EXPERIENCE**

**Battelle AUG 2020 – Present**

*Chemical Engineer I Tyndall, AFB*

* Utilized Excel, MATLAB, Python, Ruby, and Java to analyze complex ecological datasets
* Implemented water reduction systems based on schematic reviews and system design
* Manage the ordering and staging of caustic chemicals, ensuring the followed proper HAZWAP procedure
* Manage subcontractors or visitors and report progress to the customer.

**Freudenberg JAN 2019 – AUG 2020**

*Chemical Process Engineer I Bristol, NH*

* Directed and resolved issues in three critical data processing stages, demonstrating proficiency in managing complex datasets
* Spearheaded the development and review of analytical methods for 50+ new data-driven products
* Employed Excel, Python, and Power BI to analyze operational data, driving improved system efficiency and data tracking
* Collaborated cross-functionally to address specialized data orders, new prototypes, or processing issues

**Advance Kiosks JAN 2014 – JAN 2019**

*Manufacturer/Project Manager Concord, NH*

* Managed organization and flow pattern of the production floor to improve efficiency
* Assembled, shipped, and repaired computer components for customers
* Traveled to multiple locations to install, update, and fix kiosks

**LONZA Biologic APR 2017 – AUG 2017**

*Manufacturing Engineer Intern Portsmouth, NH*

* Manufactured low-demand liquid medications following standard operating procedures in a clean room environment

**EDUCATION**

**University of New Hampshire August, 2018**

*BS, Chemical Engineering Durham, NH*

* Our team was awarded first place in the AICHE Chemical Engineering senior design competition

**CERTIFICATIONS, SKILLS & INTERESTS**

* **Certifications:** Open Water Diver (PADI), AIChE Process Safety I & II, AIChE Risk Assessment, AIChE Runaway Reactions, AIChE Chemical Process Safety, AIChE Dust Explosion Control, AIChE Hazards & Risk I & II, AIChE Process Safety Hazards I & II
* **Skills:** Strategic planning; crowdfunding; programming python, MATLAB, java, Excel; Microsoft Office; Data Analysis; Design: Solid works, AutoCAD;

**PUBLICATIONS**

* **Fuel Spill Fire Testing of an Ignitable Drain Floor Assembly for Chemical – Free Fire Control**  
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