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**CREDENTIALS**

- ◆ *B.S., Chemical Engineering, Brigham Young University, 2018*

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**PROFESSIONAL EXPERIENCE**

- ◆ **October 2021-Present:** ALL4 LLC – Implementation Consultant
- ◆ **2019-2021:** Big West Oil Refinery, North Salt Lake, UT – Environmental Engineer

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**TECHNICAL EXPERTISE**

- ✓ *Air Compliance for small refinery*
- ✓ *DAHS design and implementation (Stackvision)*
- ✓ *Implement and improve refinery flare compliance for RSR*
- ✓ *CMS testing and recordkeeping*
- ✓ *Organize compliance information in user-friendly format*
- ✓ *Refinery-wide emission and inventory calculations for RMP, AEI, TRI, TSCA*
- ✓ *Experience with GHG, NSPS J, NSPS Ja, MACT UUU compliance and reports*
- ✓ *Develop procedure changes to improve compliance and implement digital solutions*
- ✓ *Training refinery personnel on using digital solutions*

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**PROFESSIONAL OVERVIEW**

*Zach Stay is an environmental engineer with over two years of experience in air compliance and continuous monitoring systems. He was responsible for flare compliance at Big West Oil, and significantly reduced exceedances of regulatory limits through improved control logic, data management and procedural changes. He was responsible for performing root cause and corrective action analysis for exceedances of air compliance limits.*

*Zach designed, implemented, and maintained Big West Oil's data acquisition and handling system (DAHS), and its integration with the existing data historian. He trained refinery personnel on this software and developed custom reports. He was responsible for the compliance and reporting for several federal regulations. Zach has experience with evaluating permits and regulations to find and implement compliance tasks in the oil and gas sector.*

*He has assisted in refinery-wide calculations for emissions and inventories in accordance with several regulations, including GHG, RMP inventory, TSCA inventory, TRI reporting, and Air Emissions Inventory. Zach also has familiarity with basic hazardous waste management and TanksESP.*