

Simon Ziccardi

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Hilliard, OH 43026

PLANT ENGINEER

Chemical Engineer with manufacturing plant experience passionate about applying process improvement to increase sustainability

AREAS OF EXPERTISE

Process Improvement, Preventive Maintenance, OSHA Process Safety Management, Sustainable Engineering, P&IDs, Steam and Boiler Systems, Inventory Systems

EDUCATION

The Ohio State University, Columbus, OH

B.S. Chemical Engineering, Environmental Focus, Graduated: May, 2020

Overall GPA (4.00 scale): 3.678

Dean's List – 6 out of 8 Semesters, Cum Laude

The Ohio State University Coding Bootcamp (October, 2020 – April, 2021)

Will gain experience in Full Stack Web Development tools and skills. Including but not limited to, JavaScript, HTML, CSS, Server-Side Development, Quality Assurance, MySQL, and API Interactions

WORK EXPERIENCE

Plant Engineering Intern Colgate-Palmolive Company Cambridge, Ohio (June - August, 2019)

- Created documentation that will serve as the foundation for improvements to steam and boiler systems
- Calculated loads located on the plant's steam system
- Updated over 20 P&IDs to reflect the current conditions of various sections of the plant
- Collaborated with maintenance department to draft a steam system preventative maintenance plan
- Created documents that organized and helped navigate Process Safety Management (PSM) documents required by OSHA under standard 1910.119 - Process Safety Management of Highly Hazardous Chemicals

Research Intern The Institute for Genomic Medicine at Nationwide Children's Hospital (May - August, 2018)

- Responsible for temperature mapping liquid nitrogen freezers
- Performed preventive maintenance on health and safety systems
- Observed DNA and RNA extractions from various tissue and blood samples
- Examined differences between automated and manual RNA and DNA extractions methods
- Developed inventory system and work process for long-term offsite document storage

QUALIFICATIONS

Computer and Technical:

- Proficient in Autodesk Inventor, MATLAB and SolidWorks
- Extensive use of Microsoft Word, Excel, and PowerPoint
- Introductory knowledge of C++, ChemCAD, JMP, Simulink, Python 3

Coursework Includes:

- Catalysis; Sustainable Engineering

HONORS AND ACTIVITIES

- Member of AIChE (January, 2018 – May, 2020)
- Member of the Ohio State University Club Lacrosse Team (August, 2017 – May, 2020)
- College of Engineering Hometown Ambassador (August, 2018 – May, 2020)