

ALYSSA NOLAN

CHEMICAL ENGINEER

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SUMMARY

A creative and self-motivated analytical thinker who continues to pursue personal growth. An organized project leader with experience developing and implementing process controls, training programs, and presenting to senior management.

PROFESSIONAL EXPERIENCE

GENENTECH

Vacaville, California

MANUFACTURING BIOPROCESS TECHNICIAN

February 2020 – March 2021

- Worked in downstream manufacturing, Final Purification of bulk protein, adhering to cGMP guidelines.

DIXON MONTESSORI CHARTER SCHOOL

Dixon, California

PARAPROFESSIONAL – ADVANCED MATH 6 AND SCIENCE 6

June 2017 – May 2018

- Facilitated small group and individual classroom instruction and activities with students based on learning needs.
- Integrated project based learning and technology into lessons to engage learners and improve critical thinking skills.
- Collaborated with grade-level teachers to create a positive, effective learning environment.
- Worked with advanced math small groups, balancing the student needs with the curriculum standards.

MIDDLE SCHOOL TEACHER – MATH 6, 7, 8, Advanced AND Electives

November 2015 – May 2017

- Middle School Math – Taught 6th, 7th, and 8th grade California Common Core math standards. Differentiated instruction based on student needs and benchmark testing. Implemented the High school Integrated I coursework.
- Worked to establish and maintain positive relationships with parents.
- Remedial English Electives – Created lessons to encourage growth in areas identified as deficits for students.
- Middle School Art Teacher – Improved student's working knowledge of the Elements of Art. Developed projects to illustrate the connection to math. Encouraged creative problem solving and student communication skills.
- Long-term substitute for middle school Math and Art during the second half of the 2015/16 school year. Adjusted classroom procedures to improve management and keep track of the student's skills and areas for growth.

MICHELIN

Greenville, South Carolina

MATERIALS INDUSTRIALIZATION ENGINEER

January 2013 – September 2014

- Managed a multidisciplinary team as Project Leader. Maintained a schedule that adhered to customer deadlines.
- Coordinated process capability and material quality testing in manufacturing plant.
- Prepared and presented project milestones to management and customer representatives.
- Worked closely with manufacturing plants to industrialize new materials for their process.
- Benchmarked North American quality reference documents with European versions to ensure product consistency.

PROCESS ENGINEER

Anderson, South Carolina

June 2011 – January 2013

- Performed process control and process efficiency at the largest rubber mixing facility in United States.
- Coordinated multifunctional team to complete raw material traceability in event of quality issues.
- Recorded, analyzed and documented process data to increase process efficiency and maintain product quality.
- Assisted with design and implementation of new process equipment and performed startup testing during integration.

TOYOTA MOTOR ENGINEERING & MANUFACTURING NORTH AMERICA

Erlanger, Kentucky

ENVIRONMENTAL ENGINEERING CO-OP

January 2009 – December 2009

- Wrote company procedures for proper waste methods and control.
- Developed the procedure for calculating and keeping track of carbon emissions emitted from employee's vehicles
- Designed waste management training program for employees.

EDUCATION

UNIVERSITY OF KENTUCKY

Lexington, Kentucky

Bachelor of Science, Chemical Engineering

August 2006 – May 2011

- GPA: 3.7/4.0

