

Jake A. Silva

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EDUCATIONAL BACKGROUND

Bachelor of Science, University of New Mexico, Graduation Date: May 2016

Major: Chemical Engineering

Memberships: American Institute of Chemical Engineers (AIChE)

GPA: 3.20

SKILLS

- Ability to work with a team
- Problem solving skills
- Planning, prioritizing, and organizational skills
- Adaptability and detail oriented
- Data analysis and research skills
- Aspen+™, Matlab, HTML, CSS, COMSOL, Minitab, JMP, SPC, Microsoft Products, JMP

PROFESSIONAL EXPERIENCE

Manufacturing Technician, June 2016 – Present

Intel, Hillsboro, Oregon

- Assigned to Logic Technology Development team focusing on Lithography Metrology
- Perform functions associated with all wafer production including operations, equipment, process and training.
- Collect and evaluate operating data to conduct on-line equipment adjustment and ensure process optimization.
- Responsible for preventative maintenance, troubleshooting, spares, and sustaining.
- Responsible for improvement processes, troubleshooting nonstandard events in production line, and reviewing technological health and stability.

Manufacturing Engineer Co-op, May 2013 – January 2014 (9 months)

Ethicon Endo-Surgery, Albuquerque, New Mexico

- Trained to Current Good Manufacturing Practices, cGMPs.
- Trained to Johnson and Johnson World Wide Safety Guidelines.
- Led and executed installation, operation, performance, and engineering studies for improved technology equipment on several manufacturing lines for cost savings.
- Updated Training Manuals for engineers, technicians, and production workers.
- Planned and led training meetings for production workers across all three shifts.
- Supported Six Sigma process excellence projects utilizing lean continuous engineering methodologies on manufacturing lines.

Volunteer Research Assistant, August 2014 – December 2014 (5 months)

University of New Mexico Biomedical Research Lab, Albuquerque, New Mexico

PROJECTS

- AIChE Chem-E-Car Competition
- Senior Design Project: Filtration System for Flint, Michigan Water Crisis

HONORS and AWARDS

- B.S. Chemical Engineering Diploma
- Bridge to Success Scholarship/ New Mexico Legislative Lottery Scholarship
- Johnson and Johnson Encore Award

REFERENCES UPON REQUEST