Vincent Leung

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OBJECTIVE

Skilled semiconductor/process engineer with 2 years of experience in process improvement, sample analysis, and project management. Seeking a challenging role to apply technical expertise and contribute to the development and optimization of semiconductor manufacturing processes

EXPERIENCE

Applied Materials Santa Clara, CA
Process Technician Jul 2021-Present

- Developed and implemented a best known method (BKM) for sample handling, resulting in improved communication and efficiency in BU Engagement Project
- Collaborated with MDP BU on the Intel RUNDA project to analyze tungsten gapfill, contributing to process optimization and product quality
- Revised job instructions and communicated with engineers on Lab IP protocol procedures, ensuring accurate sample structure depth and pattern capture
- Led swing shift team, effectively delegating samples and resolving tool issues, resulting in increase of 24 hour turnaround time (TAT) to $\geq 85\%$
- Conducted training sessions for new hires on epoxy application and curing techniques, as well as the utilization of Focused Ion Beam (FIB) and Scanning Electron Microscope (SEM) for sample analysis

Monterey Mechanical Co. Oakland, CA
Project Engineer Intern Jun 2019-Sept 2019

- Analyzed variety of drawings (structural, civil, electrical, mechanical, and PIDs) to determine piping and fittings needed to connect gas to day tank
- Revised Standard Operating Procedures (SOP) in compliance with OSHA guidelines, ensuring safe excavation at the SFPUC Oceanside project
- Prepared detailed sectional drawings for conduit implementation and rebar placement in duct banks
- Resolved gas purge issue by submitting isometric drawings detailing the connection between the gas tank and burner

SKILLS

Software: Integrated Framework for Automated Software Testing (iFast), Python, MATLAB, LaTeX

Analytics: Aspen Plus (Process Simulation Software), Excel, ImageJ

Language: English, Cantonese (Limited Working Proficiency)

EDUCATION

University of California, Davis Davis, CA
Bachelor of Science, Chemical Engineering Sept 2016-Jun 2020

2020 Sandia Engineering Design Award Recipient