

Willem Sniffin

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(858) 603-8981

EXPERIENCE

Packaging Engineer Intern - Ajinomoto
Ontario, CA

May 2024 - Current

- Carry out packaging material compression tests to determine feasibility at desired thickness and geometry
- Compile information from several locations into a singular database utilizing Excel and ProductVision to improve company efficiency and data credibility
- Visit production plants to assist with and learn about machine design and integration
- Assist with TDC (total delivered costs) assignments projected to provide \$150,000 in savings

Scheduler/Co-President of Pi Tau Sigma - Cal Poly Pomona
Pomona, CA

August 2024 - Current

- Responsible for scheduling meetings, reserving rooms and working with Cal Poly and other clubs in this process
- Lead workshops where I present information regarding the club, resume building, portfolio creation, and networking
- Take initiative in building and improving Pi Tau Sigma as to help as many students as possible

Recreation Technician - ASI, Cal Poly Pomona
Pomona, CA

December 2023 - July 2024

- Conducted technical equipment repair and maintenance for pool, gym, and general facility operations
- Analyzed and reevaluated past methods for equipment servicing to improve efficiency
- Obtained CPR and pool operator certifications to ensure adequate care and upkeep could be provided

Front of Store Attendant - Target
San Diego, CA

August 2020 - August 2023

- Assisted guests with questions, returns and orders while keeping front of store clean and presentable
- Handled all positions at the store front, including service desk, checklanes, cart attendant, and stock

HVAC Intern - Apex Mechanical Systems Inc.
San Diego, CA

June 2019 - August 2019

- Worked with a team in the design and implementation of HVAC systems within commercial buildings
- Individually visited active worksites to evaluate current systems and record necessary documentation
- Ran calculations and simulations of heat transfer and created blueprints in Adobe

PROJECTS

Thermal Control Valve - Cal Poly Pomona

August 2024

- Designed a TCV utilizing Solidworks, stress analysis, and fluid mechanics, that regulates flow temperature solely through thermal actuation. Designed to be implemented on the Europa Clipper Spacecraft
- Presented our findings to NASA engineers in a CDR

Autonomous Line-Following Robot - Queensland University of Technology

June 2023

- Designed and integrated the electrical systems, including creating PCBs from scratch utilizing Eagle and C
- Bot successfully could react to environmental stimuli through numerous sensors and averaged 220 mm/s following a line

EDUCATION

California State Polytechnic University, Pomona, CA
Mechanical Engineering, GPA 3.7, Dean's List, President's List

August 2020 - May 2025

Queensland University of Technology, Brisbane, Australia
Mechanical Engineering, GPA 3.7

July 2022 - June 2023