

EMILY TRAN

FACILITIES ENGINEER

CONTACT

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SKILLS

- HVAC
- AutoCAD
- CMMS
- Building Systems
- Project Management
- Electrical
- Plumbing
- Troubleshooting
- Excel
- PowerPoint

EDUCATION

Bachelor of Science

05/2021
San Jose State University
San Jose, CA
Mechanical Engineering

CERTIFICATES

Engineer in Training (EIT)

08/2021
California Board for Professional Engineers, Land Surveyors, and Geologists

SUMMARY

Facilities Engineer with 5 years supporting semiconductor and biotech campuses and a B.S. in Mechanical Engineering. Manages HVAC, electrical and plumbing upgrades from AutoCAD drawings through startup, leads troubleshooting on critical building systems, and uses CMMS data to plan maintenance. Handles project management for \$3M a year in capital work.

EXPERIENCE

Facilities Engineer

01/2023 - Present

Coyote Valley Semiconductor San Jose, CA
Chip equipment maker with a 600,000 sq ft campus and 2 cleanrooms.

- Manage **\$3M** a year in HVAC and electrical capital projects, finishing 9 of 10 on schedule.
- Produce AutoCAD layouts and single-line diagrams for 15 lab and cleanroom renovations.
- Lead troubleshooting on chillers, exhaust fans and UPS systems, cutting unplanned downtime 40%.
- Rebuild CMMS maintenance plans for 1,800 assets, raising PM compliance to 97%.

Associate Facilities Engineer

06/2021 - 12/2022

Bayshore Biologics South San Francisco, CA
Biotech manufacturer with GMP lab and production space.

- Wrote change controls and test plans for **20** HVAC and process water upgrades.
- Tracked plumbing, electrical and HVAC contractor work on 12 projects in Excel schedules.
- Presented monthly energy and utility trends in PowerPoint to site leadership.
- Reduced compressed air leaks 30% after an ultrasonic leak survey of 2 buildings.

Facilities Engineering Intern

06/2020 - 09/2020

Alviso Data Partners Santa Clara, CA
Summer internship at a colocation data center operator.

- Surveyed **300** HVAC and electrical assets and loaded nameplate data into the CMMS.
- Drafted 10 as-built AutoCAD drawings of mechanical and electrical rooms.
- Measured airflow at 40 diffusers to support a hot-aisle containment study.