



CLIFTON THOMPSON

Chemical Engineer

University of California, Los Angeles

About Me

Fourth year chemical engineer at UCLA with experience in natural gas infrastructure and material modeling. Through my internship, studies, professional leadership, and lab work, I have gained theoretical and practical STEM experience that enables me to think analytically and collaborate with others.



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15055 Foothill Rd,
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EXPERTISE

- Engineering Teamwork
- MATLAB, Linux, Python
- Microsoft Office, Excel, PowerBI
- Chemical maintenance
- Cost estimation and ROIs
- Thermo + fluid simulation
- P&IDs, PFDs, and Pro/II
- Nanomaterial modeling
- Innovative problem solving

INTERESTS

- Track and field, soccer, tennis, skiing, swimming, cycling
- Reading, psychology, cooking

EXPERIENCE

SoCalGas - Engineering Intern

Los Angeles, CA, 2024 - Present

- Ensured P&IDs met project and safety requirements
- Placed instrument orders and completed FAT testing
- Implemented a pivot table of previous estimates with scaled costs to be used for benchmarking for future jobs
- Improved workflow by compiling historical estimate files
- Analyzed temperature trends to predict construction delays

PHILIPPE SAUTET LABORATORY - Researcher

UCLA, 2023 - Present

- Utilized principles of density functional theory to optimize the thermodynamic results of catalytic reactions.
- Ran VASP simulations using Linux
- Discovered and quantified thermodynamically favorable pathways for the decomposition of H₂S
- Presented at UCLA Undergraduate Research Week

CITY OF GOLDEN AQUATICS - Manager

Golden, CO, 2019 - 2023

- Maintained the chemical balances of the pool through automated and manual procedures.
- Conducted cost/benefit analysis of the use of cyanuric acid
- Managed teams of **20+** people

EDUCATION

University of California, Los Angeles, 2021-2025

Bachelor of Chemical Engineering

3.864 overall GPA, 3.909 upper division GPA

Completed courses: lower division physics, math, chemistry; process design, MATLAB, transport, thermodynamics, separations, reactor design, ChemE lab, nanotechnology.

- AIChE Leap Project - designed a thermodynamic PFD for an ammonium nitrate plant and completed ROI analysis
- Thermodynamic modeling of liquid vapor equilibrium
- Plotting of systems described by differential equations
- Fluid, heat, and mass transport simulation and lab work
- Gas, liquid, and solid separation methods
- Group experiment design, report writing, and presentation