

MAX MANCINI

Education

University of Michigan, M.Eng. Energy Systems Aug 2024 – Present

- Energy generation, distribution, and usage

University of Michigan, B.S. Mechanical Engineering Aug 2020 – Dec 2023

- *Magna Cum Laude*
- Solar Car Racing, Residential Advisor
- Michigander EV Scholarship, R&B Tool Scholarship

Experience

General Motors Jan 2024 – Present

Sustainable Workplaces Rotational Program

- Saved \$300k in electricity bills and managed \$2M demand response program for 17 sites
- Administered development of \$20M in energy savings projects for 2025 budget
- Procured 50 heat pumps for 3 sites, saving 40k MWh and 10k tCO2 over asset life
- Improved HVAC body shop heating design, avoiding \$500k in annual facility damages
- Planned preventative maintenance work in Maximo for Global Tech Center operations

bp May – Aug 2023

Maintenance Engineering Intern

- Designed chemical injection system per ASME B31.3, avoiding downstream corrosion
- Procured 6 heat exchanger bundle replacements totaling \$700k, increasing system reliability
- Re-designed relief valve inlet piping to permit field maintenance, avoiding production downtime

Mahle May – Aug 2022

HVAC Product Engineering Intern

- Performed auditory validation testing to OEM customer specifications
- Supported product development, supplier meetings, part logistics, and emergency rework

Skills

Advanced Excel, Power BI, MATLAB, Python, Data-driven Decisions, Project Management, Leadership, Cross-functional Communication, Problem Solving, Energy Efficiency