

MADELINE GILLERAN

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EDUCATION	UNIVERSITY OF MICHIGAN College of Engineering Master of Science in Mechanical Engineering, Environmental Sustainability, December 2018 <ul style="list-style-type: none">• Tauber Institute for Global Operations Fellow Bachelor of Science in Mechanical Engineering, December 2017 <ul style="list-style-type: none">• Engineering Global Leadership (EGL) Honors Program• Recipient of the Joseph M. Geisinger Scholarship• GPA: 3.79/4.00 TECHNICAL UNIVERSITY OF BERLIN International Engineering Summer Program, 2014 <ul style="list-style-type: none">• Created digital guitar tuner, developing signal processing, programming, and circuitry skills	Ann Arbor, MI Berlin, Germany
EXPERIENCE 2017-Present Summer	PACIFIC GAS & ELECTRIC (PG&E) Corporate Strategy Intern <ul style="list-style-type: none">• Influenced prioritization of clean transportation market based on quantitative market-sizing and qualitative assessment of current political and economic conditions• Synthesized information from facilitating workshops that connected disparate departments involved in clean transportation and conducting 90+ interviews with internal and external stakeholders in creating current and future-state process maps using Microsoft Visio• Formulated action plan to improve process for addressing customer requests regarding clean transportation and socialized plan among necessary stakeholders• Developed expertise regarding utility involvement in electric vehicle charging stations	San Francisco, CA
Summer 2016	THE TAUBMAN COMPANY Strategy and Research Intern <ul style="list-style-type: none">• Identified and shortlisted emerging data analytics vendors specializing in consumer demographics and shopping behavior, facilitating interviews with select vendors• Analyzed sales and customer satisfaction data to make informed tenant recommendations to improve both inline and kiosk merchandising, using Excel, Tableau, and SPSS• Conducted market research and created competitive landscape report of Washington D.C. retail market to help define strategic positioning of Fair Oaks Mall	Bloomfield Hills, MI
Fall 2015	GENERAL ELECTRIC APPLIANCES Dishwasher Cost of Quality Technical Cooperative Intern, August - December <ul style="list-style-type: none">• Executed various testing protocols and assisted in implementing design changes to validate circulation pump motor cost-out project leading to expected savings of ~\$1.1 M/year• Diagnosed manufacturing line problems using root cause analysis, resolving issues through a variety of techniques including communicating with suppliers, developing new part designs, rapid prototyping, and running trials on lines when applicable• Stimulated involvement in social and volunteer opportunities as president of 100+ interns	Louisville, KY
Summer 2015	MITSUBISHI ELECTRIC AUTOMOTIVE AMERICA, INC. Engineering Intern <ul style="list-style-type: none">• Consolidated information about future of mobility from desktop research and participation in webinars, lectures, and conferences, including Intelligent Transportation Society of America and Automated Vehicle Symposium• Compiled news about upcoming Advanced Driver Assistance Systems (ADAS) technologies of OEMs and tier one suppliers to guide company strategy	Northville, MI
ADDITIONAL	<ul style="list-style-type: none">• Programming Languages and Applications: C++, MATLAB, R, AutoCAD, Visio, Tableau• Proficient in German and Latin• Research under Professor Daly for Center for Socially Engaged Design Academy learning blocks on Design Ethnography and Sustainability• Departmental Ambassador for "Design Your Engineering Experience" course (ENGR 110)• EGL Volunteer Abroad Site Lead for EGL trip to Cusco, Peru and Palawan, Philippines• Tauber Community Service Day Committee Lead for Growing Hope Project• An avid yogi, hiker, rock climber, and road cyclist	