

LAUREN BILBO

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EDUCATION	UNIVERSITY OF MICHIGAN Master of Science in Electrical Engineering, December 2016 <ul style="list-style-type: none">• Coursework in Parallel Computer Architecture, Algorithms, Operating Systems, AI• Tauber Institute for Global Operations Fellow• Graduate Student Instructor for Engineering 101: Introduction to Programming UNIVERSITY OF MICHIGAN Bachelor of Science in Electrical Engineering, May 2016 <ul style="list-style-type: none">• GPA: 3.99/4.00• Emphasis on Computer Architecture, International Minor• Instructional Aide for EECS 461: Embedded Control Systems• Study abroad in Salamanca, Spain; focus on Spanish language, business, and economy• Honors: Henry Ford II Award, UM College of Engineering Distinguished Leadership Award, Tau Beta Pi First Year Award, Joseph M Geisinger Scholarship Recipient	Ann Arbor, MI Ann Arbor, MI
EXPERIENCE 2016	MICROSOFT CORPORATION Tauber Engineering Intern <ul style="list-style-type: none">• Slashed capital expenditure through asset management process for device manufacturing• Enabled optimized capacity investment decisions through custom tool modeling impact of forecasted product demand and sensitivity of yield assumptions in capital spend scenarios• Championed asset tracking tool to monitor current asset state, identify reuse opportunities, and supply data-driven cost-benchmarking models for future asset purchases	Redmond, WA
2015	COMPUTER ARCHITECTURE DESIGN PROJECT Engineering Student <ul style="list-style-type: none">• Designed, implemented, and verified a hyper-threaded, two-way superscalar, out of order processor using SystemVerilog in a team of five students	Ann Arbor, MI
2015	ELI LILLY & COMPANY Process Automation Intern <ul style="list-style-type: none">• Designed and implemented custom manufacturing web schedule, updated in real time by transact-SQL database backend to increase efficiency of bottleneck process• Created visual scheduling tool in excel to support web schedule, integrating user-provided schedule and equipment parameters into database backend	Indianapolis, IN
2014	D.C. COOK NUCLEAR POWER PLANT Electrical Engineering Design Intern <ul style="list-style-type: none">• Analyzed plant electrical system by modeling impedance and ampacity of cables with ETAP power system analysis software to validate model's accuracy• Performed short circuit analyses to determine loading requirements of power components	Buchanan, MI
2013-2016	SOCIETY OF WOMEN ENGINEERS (SWE) Engineering Career Fair Director, 2014 <ul style="list-style-type: none">• Co-led planning, operation, and publicity of Fall 2014 Career Fair for 4000 students; managed two committees organizing student volunteers and corporate receptions• Interfaced with 300 companies attending fair to coordinate registration, sponsorship, and logistics on the days of career fair	Ann Arbor, MI
2014-2016	ENGINEERING GLOBAL LEADERSHIP HONOR SOCIETY Industry Chair, 2015 <ul style="list-style-type: none">• Re-envisioned EGL sponsorship platform, adding 5 high-value corporate partnerships• Spearheaded first Tauber-sponsored weekend plant tour, developing new EGL corporate relationship and increasing student participation in tours	Ann Arbor, MI
ADDITIONAL	<ul style="list-style-type: none">• Languages: C++, Matlab, HTML, Transact-SQL, VBA, Python, SystemVerilog• Foreign Languages: Spanish, advanced proficiency• Volunteer Trip to New Delhi, India, 2014 and Volunteer Site Lead in Cusco, Peru, 2015• Member of Eta Kappa Nu and Tau Beta Pi Engineering Honor Societies• Fascinated by learning other languages and exploring other cultures	