

CYNTHIA JOYCE KRENG

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EDUCATION	UNIVERSITY OF MICHIGAN Master of Science in Industrial and Operations Engineering, May 2017 • Tauber Institute for Global Operations Fellow	Ann Arbor, MI
	UNIVERSITY OF MICHIGAN College of Engineering Bachelor of Science in Computer Engineering, August 2016 • GPA 3.77/4.00, Graduated with <i>summa cum laude</i> • Engineering Global Leadership Honors Program, International Minor for Engineers • Study Abroad: South Korea 2014, Hong Kong 2013	Ann Arbor, MI
EXPERIENCE	THE BOEING COMPANY	Tukwila, WA
Summer 2016	Lean Agile Process Improvement Intern, Digital Aviation • Reduced current wastes and inefficiencies that translates to 61% increase in throughput and 1.3 MM savings over a 3-year period in Toolbox software development • Developed implementation plan to facilitate gradual transition to lean and agile software development through automation, less estimation, and continuous flow development • Created metrics for prioritization of business values using Analytic Hierarchy Process and generated checklist for quality of requirements	
Summer 2015	GOLDMAN, SACHS & CO. Technology Analyst • Developed Java RESTful web service to allow communications on multiple platforms to capture and archive testing evidence for future reference and comparison • Integrated the futures and options clearing platform that generates up to 10 MM trades per day with proprietary platform, Zebra 2.0, for performance and capacity testing	New York, NY
2014-Present	ENGINEERING GLOBAL LEADERSHIP HONORS SOCIETY (EGL) Developmental Vice President and Cultural Chair • Launch program course database to align student skill sets with industry needs and also fulfill requirements for different undergraduate and graduate degree combinations • Planned Global Bonanza, campus wide cultural event anticipated to attract more than 100 students with more than 30 different cultural groups participating	Ann Arbor, MI
2014-2016	UNIVERSITY OF MICHIGAN COLLEGE OF ENGINEERING EECS 203 Discrete Mathematics Instructional Aide • Designed homework, discussions and exams for 600+ students to enhance understanding of course materials; hold weekly office hours to give one-on-one assistance • Led weekly discussion of 44 students to review class materials and homework	Ann Arbor, MI
2013-2015	UNIVERSITY OF MICHIGAN ROSS SCHOOL OF BUSINESS Research Assistant • Examined relationship of utility and stock returns used in PhD paper "Taking a Beating on the Stock Market: Crime and Stock Returns" • Utilized statistical software to analyze big data sets made of daily stock prices and estimates from 34K companies in 118 countries between 1984 - 2014	Ann Arbor, MI
Summer 2014	UNIST SCHOOL OF TECHNOLOGY MANAGEMENT Research Assistant • Lectured 20 Korean high school students regarding small-scale networks and scale-free networks for better understanding of research in universities • Examined patterns of stock network in South Korea, Hong Kong, and USA using Python to correlate rise and fall of stock indices to form trading strategies	Ulsan, South Korea
ADDITIONAL	• Proficient: C++; Working Knowledge: Python, SQL, Java, VBA, C, Matlab, Verilog • Certified SAE Agilist, IPMA Level D in progress (exam scheduled for 11/20/16) • IEEE at University of Michigan Student Branch, Service Chair (Winter 2014), Corporate Relations Chair (Fall 2014 - Fall 2015), Departmental Relations Chair (Winter 2016) • The Epeians Engineering Leadership Honor Society, Treasurer (Winter 2016), President (Present) • Languages: Native in Mandarin Chinese and Taiwanese	