ANDREW O'HARA

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EDUCATION

UNIVERSITY OF MICHIGAN — **Ann Arbor, MI**
College of Engineering Honors Program
Master of Science in Industrial and Operations Engineering, May 2017
- Admitted to the Tauber Institute for Global Operations

College of Engineering Honors Program
Bachelor of Science in Computer Engineering, August 2016
- International Minor for Engineers
- GPA 3.60/ 4.00
- Engineering Global Leadership Honors Program - Treasurer
- Member Eta Kappa Nu (EECS Honor Society), CSE Scholars
- Honors: Dean's List and University Honors

HONG KONG UNIVERSITY OF SCIENCE AND TECHNOLOGY — **Hong Kong**
Study Abroad Program, Summer 2014
- Completed courses in Applied Statistics and Linguistics with students from 6 continents

EXPERIENCE

Summer 2015 — **J.P. MORGAN CHASE & CO.** — **New York, NY**
Application Development Intern
- Developed custom Graphical User Interface to optimize data verification for Global Investment Management, leading to improved data coherence
- Built custom algorithm to connect data from multiple databases simultaneously, causing streamlined report generation for Client Portfolio Managers
- Constructed application to obtain performance data for over 500 multinational funds for Risk Management, resulting in quicker risk assessment of investment funds

Summer 2013 — **PEDERSON WORLDWIDE** — **Charlotte Amalie, St Thomas, VI**
Sales and Marketing Intern
- Originated tiered incentive program causing sales team to increase transaction amounts by 15%, while improving overall number of transactions by 10%
- Created team unity by capitalizing on the enthusiasm of summer interns with the experience and product expertise of full time, local employees, generating an environment conducive to communication
- Trained new managers on unique store operations such as island based inventory management and sales forecasting for tourist driven markets

2012-2013 — **UNDERGRADUATE RESEARCH PROGRAM** — **Ann Arbor, MI**
Research Student
- Designed and developed an experimental platform investigating new control algorithms to be applied to high-resolution electrohydrodynamic printing, leading to improved understanding of microprocessor based control capabilities
- Lead a team of upperclassman to fabricate a laser platform with full XY control, producing a prototype based on experimental design to test Arduino microprocessor timing abilities
- Engaged in mentorship relationship with a PhD candidate to obtain knowledge of control system dynamics, resulting in improved understanding of performance gains between open and closed feedback loops

2012-2013 — **HUMAN POWERED SUBMARINE TEAM, UNIVERSITY OF MICHIGAN**
Member, Design and Build Team — **Ann Arbor, MI**
- Designed an automated ballasting system by collaborating with a team of engineers from 6 fields, resulting in a viable option to optimize path of a submarine
- Presented design and performance enhancements to sponsors to raise funding

ADDITIONAL

- Proficient in C/C++, C#, Verilog, WPF, XAML, SQL, Matlab/Simulink, Microsoft Office
- EGL Volunteer Abroad Trip Operational Site Lead, Ecuador, Summer 2015
- Conversational in French
- Travel enthusiast; visited 35 US states, 11 countries on 4 continents, 12 islands