DEVELOPING AN INTERCULTURAL ENGINEER
Scott Campbell, BSME 2016
Germany 2015 Cohort

ABSTRACT
GEARE is a global engineering program without equal and a foundational experience throughout the undergraduate curriculum. The combination of domestic and international activity across industry internships, scholastic instruction, and academic design teams provides students with unparalleled opportunities to acquire and develop intercultural understanding and competencies. These skills are not only invaluable on a personal level, but are also integral for success in the increasingly globalized economy.

DOMESTIC INTERNSHIP
Tuscaloosa, Alabama
May – August 2014
• Manufacturing Co-Op in Einführung department
• Trained in FARO laser measurement system
• Performed process integrity inspections
• Evaluated tooling & fixture repeatability
• Networked within corporate structure
• Improved recognition of American regional cultures
• Built foundational German language skills
• Gained exposure to German culture

INTERNATIONAL INTERNSHIP
Sindelfingen, Germany
January – April 2015
• Manufacturing Co-Op in Anlaußfabrik department
• Programmed new problem solving efficiency monitoring system using VBA for Microsoft Excel
• Investigated assembly part and process concerns in hardware build prototypes for C and E class models
• Monitored CLE development data in Engineering Client
• Improved professional German language capacity
• Actively participated in Daimler student intern network

GLOBAL DESIGN TEAM & STUDY ABROAD
Karlsruhe, Germany
April – August 2015
• Engineering coursework in Thermodynamics II, Product Development & Machine Design IV
• Designed race vehicle transmission for global design team project
• Built rapport with German colleagues and teammates
• Earned certification in PTC CREO & manual drafting
• Recognized as most successful international design team at KIT
• Adapted to German university system & academic culture
• Planned & supervised events to facilitate intercultural exchange

PROGRAM CONTINUATION & IMPACTS
West Lafayette, Indiana
August 2015 – Present
• Renovating & strengthening program network
• Developing new programs & partnerships
• Facilitating exchange student experience as host
• Continuing cross-cultural development
• More confident, adventurous, and self-sufficient
• Improved organizational, planning, and execution abilities
• Broadened world view and intercultural understanding
• International network of colleagues & lifetime friends

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