# Thomas J. Stepp

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## EDUCATION

Purdue University, West Lafayette, IN    May 2017
Bachelor of Science in Computer Engineering    3.42 / 4.00
**Study Abroad:** Universidad Carlos III de Madrid    Spring 2016

## PROFESSIONAL EXPERIENCE

**Facebook**, Hardware Engineering    Menlo Park, CA
Network Hardware Engineer Intern    May – August 2016
- Assist in developing network systems for next generation WAN and DC for a broad set of technologies
- Design and build systems to optimize network hardware for Facebook's data centers
- Work in a collaborative environment to drive development of overall network hardware for Facebook

**GE Aviation**, Product Integration Center    Cincinnati, OH
Software Engineer Intern    May – August 2015
- Produced software tools to automate test validation for LEAP and Passport 20 engines
- Supported certification documentation for pressure cycling tests and fire tests to meet FAA rules and regulations
- Strengthened user interface for the GE Intern Onboarding app on Android OS

**McDonald's Corporation**, SpendSmart    Oak Brook, IL
Data Analyst Consultant    May – August 2014
- Collaborated with team for testing and issue resolution of the e-Procurement website (the Marketplace)
- Created a process to standardize the financial coding of 20,000 products sold on the Marketplace
- Developed reporting to show purchasing trends on the new system in comparison to the old system

## RESEARCH & DESIGN PROJECTS

Vertically Integrated Projects: Electromagnetic Compatibility & Signal Integrity    January – May 2015
- Built and tested PWM audio amplifier for radiated and conducted emissions
- Designed amplifier to meet emissions regulations and standards

Engineering Projects in Community Service: Mars Rover team    January – December 2014
- Designed and programed drive system and sensors for Mars Rover project
- Maintained and updated website for Aerospace Engineering Education team

Engineering for the Planet Learning Community    August – December 2013
- Developed and presented solutions to improve Purdue's sustainability in school dorms
- Implemented window film solution would reduce $CO_2$ emissions by75 pounds per month per person

## LEADERSHIP EXPERIENCE

Publicity Committee Chair, Electrical and Computer Engineering Student Society    January – December 2015
- Planned events to develop strong faculty to student relations in the ECE community
- Publicized all events to meet Purdue University regulations

President, Purdue Buddhist Society    January – May 2015
- Planned and led weekly meetings, maintained website, and promoted the club
- Organized dharma talk to an audience of 60 by Venerable Arjia Rinpoche

Eagle Scout, Boy Scouts of America    January 2012
- Devoted over 200 hours to a service project with Sgt. Tommy's Kids Foundation
- Executed workshop to teach children of military families about outdoor skills and experiences

## TECHNICAL SKILLS

- Skills – Microprocessor Systems, Electromagnetic Compatibility
- Software – C, Java, Python, Assembly, Matlab, SPICE, ABEL