

Thomas J. Stepp

tom-stepp.net
630-842-1284
stept@purdue.edu

EDUCATION

Purdue University	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	Summer 2016
Network Hardware Engineer Intern	Menlo Park, CA
<ul style="list-style-type: none">Assisted in developing network systems of next generation Wedge100 top of rack switchDesigned and build systems to optimize network hardware for Facebook's data centersWorked in a collaborative environment to drive development of network hardware for Facebook	
GE Aviation , Product Integration Center	Summer 2015
Software Engineer Intern	Cincinnati, OH
<ul style="list-style-type: none">Produced software tools to automate test validation for LEAP and Passport 20 enginesSupported certification for pressure cycling tests and fire tests to meet FAA regulationsStrengthened user interface for the GE Intern Onboarding app on Android OS	
McDonald's Corporation , SpendSmart	Summer 2014
Data Analyst Consultant	Oak Brook, IL
<ul style="list-style-type: none">Collaborated with team for testing and issue resolution of the e-Procurement websiteCreated a process to standardize the financial coding of 20,000 products sold on the websiteDeveloped reporting to show purchasing trend differences between the new and old systems	

RESEARCH & DESIGN PROJECTS

The Useless Box, Microprocessor Systems and Interfacing	Fall 2015
<ul style="list-style-type: none">Created embedded C algorithm to close box and perform tasks with a combination of switchesDesigned PCB and interfaced motors, servos, and switches with the microprocessor	
Electromagnetic Compatibility & Signal Integrity, Vertically Integrated Projects	Spring 2015
<ul style="list-style-type: none">Built and tested PWM audio amplifier for radiated and conducted emissionsDesigned amplifier to meet emissions regulations and standards	
Mars Rover Team, Engineering Projects in Community Service	Spring & Fall 2014
<ul style="list-style-type: none">Designed and programmed drive system and sensors for Mars Rover projectMaintained and updated website for Aerospace Engineering Education team	
Engineering for the Planet, Learning Community	Fall 2013
<ul style="list-style-type: none">Developed and presented solutions to improve Purdue's sustainability in school dormsImplemented window film solution could significantly reduce CO2 emissions by school dorms	

LEADERSHIP EXPERIENCE

Faculty Committee Chair, ECE Student Society	Fall 2016
<ul style="list-style-type: none">Connecting students and faculty to create a better learning environment for all ECE students	
Publicity Committee Chair, ECE Student Society	Spring & Fall 2015
<ul style="list-style-type: none">Planned events to develop strong faculty to student relations in the ECE communityPublicized all events to meet Purdue University regulations and drive student attendance	
Eagle Scout, Boy Scouts of America	January 2012
<ul style="list-style-type: none">Devoted over 200 hours to a service project with Sgt. Tommy's Kids FoundationExecuted workshop to teach essential outdoor skills including igloo camping and orienteering	

TECHNICAL SKILLS

- Hardware – Networking, PCB Design, Microprocessor Systems, Electromagnetic Compatibility
- Software – C, Java, MatLab, HTML, CSS, Assembly, Eagle, ABEL, SPICE