Thomas J. Stepp

tom-stepp.net
630-842-1284
steppt@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

- Assist in developing network systems of next generation WAN and DC for a broad set of technology
- Design and build systems to optimize network hardware for Facebook's data centers
- Work in a collaborative environment to drive development of network hardware for Facebook

GE Aviation, Product Integration Center — Summer 2015
Software Engineer Intern — Cincinnati, OH

- 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 regulations
- Strengthened user interface for the GE Intern Onboarding app on Android OS

McDonald's Corporation, SpendSmart — Summer 2014
Data Analyst Consultant — Oak Brook, IL

- 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

The Useless Box, Microprocessor Systems — Fall 2015

- Created embedded C algorithm to close box and perform tasks through a combination of switches
- Interfaced motors, servos, and switches with microprocessor to open and close the box

Electromagnetic Compatibility & Signal Integrity, Vertically Integrated Projects — Spring 2015

- Built and tested PWM audio amplifier for radiated and conducted emissions
- Designed amplifier to meet emissions regulations and standards

Mars Rover Team, Engineering Projects In Community Service — Spring & Fall 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 — Fall 2013

- Developed and presented solutions to improve Purdue's sustainability in school dorms
- Implemented window film solution would reduce CO2 emissions by 75 pounds per month per person

LEADERSHIP EXPERIENCE

Faculty Committee Chair, ECE Student Society — Fall 2016

- Connect students and faculty to create a better learning environment for students

Publicity Committee Chair, ECE Student Society — Spring & Fall 2015

- Planned events to develop strong faculty to student relations in the ECE community
- Publicized all events to meet Purdue University regulations

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