



Electrical Engineering major searching for a challenging and rewarding position with a dynamic company. Solid business intuition and insight with the ability to envision new program concepts, ascertain and analyze requirements, define deliverables, set goals and meet organizational objectives.

EDUCATION

B.S. in Electrical Engineering

University of Texas at Dallas, The Erik Jonsson School of Engineering & Computer Science

SUMMARY OF TECHNICAL SKILLS

Verilog & FPGA development / C, C++, Javascript, Python, Assembly, Unix Shell / Altium PCB layout & Reflow soldering / MATLAB, LabVIEW, SPICE analysis / I2C, SPI / OrCAD Schematic Capture / Arduino development / MS Office

RELEVANT COURSEWORK

Computer Architecture

Understanding of the functional units of processors, FPGAs, RAM, and other computer hardware. Modeled and tested digital components with Xilinx FPGA.

Electronic and Digital Circuits

Practical experience with digital circuit boards, logic diagrams, soldering, electrical test equipment and simulation of analog/digital circuits using SPICE or CAD.

Telecommunication Networks

Knowledge of the OSI model, TCP/IP networking and graph algorithms. Developed a Layer II&III prototype with framing, ARQ, and CRC using two MSP430 MCUs.

PROJECTS

Fossil Group, Low-Cost Wearable Accessory (Fall 2015 – Spring 2016)

- Designed and built a low-cost, wrist-worn electronic accessory for monitoring user's stress that met sponsor specification, feature, and size requirements.
- Lead a multidisciplinary team to design, build, and test hardware, user interface, software, and heart-rate stress algorithm for the wearable device.
- Tested, verified and overcame problems using principles of root-cause analysis.
- Created professional presentations for corporate managers and industry expos.

WORK EXPERIENCE

Computer Lab Assistant, UTD, Technology Customer Service (Fall 2012 – Spring 2016)

- Troubleshoot problems relating to IT including enterprise Wi-Fi connectivity, client access, and software support.
- Communicated effectively with customers to provide excellent support on products.

PERSONAL REFERENCES

Available upon request.