Jessica Gillan

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Education

Colorado School of Mines, Golden, CO
Bachelor of Science, Electrical Engineering (BSEE)
Member of Tau Beta Pi Honor Society
Graduated December 2015

Experience

HW Systems Engineer MacBook, Apple; Cupertino, CA – June 2015-Aug 2015
Drove the design and fabrication of an intersystem flex PCB including schematic capture, layout management, and cross-functional collaboration.
Developed and analyzed a DC power flow model for a new product resulting in the identification and correction of thermal risks prior to product build.
Conducted high speed signal characterization and cultivated the first testing strategy, set-up, and adjustment method for signal improvement.

HW Design Engineer New Products, Nest Labs/Google; Palo Alto, CA – May 2014-Dec 2014
Responsible for building hardware and supporting implementation for Google Board of Directors new product demo.
Owned the creation of development boards for a new product including feature outline, design, and build execution.
Successfully built first prototype to validate new audio system design utilizing five separate vendor sub-systems.
Redesigned in-house tool to achieve greater accuracy and speed in measurements. Adopted and utilized by the current engineering team.

Technology Product Marketing, Tokita-Bethune, Inc.; Seattle, WA – April 2007-July 2011
Role specialized in driving user adoption in technology product marketing campaigns.
Led coordination of Samsung Behold II launch campaign with T-Mobile, New York region.
Campaign involved executing four-day marketing campaigns across five NY T-Mobile venues and reached a 200% increase in Behold II sales.

Distinctions

KPCB Build For Good Award & 2nd Place in Hardware - HackPrinceton Fall 2015
Rensselaer Medalist, Outstanding in Math & Science - Scholarship to RPI
Ballet Prodigy of the Year - New York City Dance Alliance

Projects

iOS (Swift) - Location and user based event app (in progress)
Power Harvesting - Piezoelectric transducer adapted to harvest vibrational energy
LabView Control/Monitoring System - Pneumatic transfer control system with location and radiation monitoring, hardware and software implementation
Embedded Systems - Interactive reflex game written in C and ran on HCS12 microcontroller
Sensor Design - Ozone sensor dropsonde for atmospheric research (funded by UCAR)