TEJASWI GORTI

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WORK EXPERIENCE

PRODUCT ENGINEER – TEXAS INSTRUMENTS INC
2012 – 2016

- Managed the development of new power management IC (PMIC) devices during their prototype phases.
- Improved product yield on Western Digital and Seagate preamp devices, by streamlining probe and final test hardware and software.
- Performed IC design verification in the Cadence environment to help ensure reliable design before prototype production.
- Gained cross-cultural work experience through a 6-month rotation assignment at TI-Malaysia in Kuala Lumpur where I helped the assembly site migrate to newer, faster final test platforms.

SEMICONDUCTOR THEORY & FABRICATION TEACHING ASSISTANT – UNIV. OF ILLINOIS
2011 – 2012

- Guided students through semiconductor fabrication steps and maintained lab equipment, chemicals, etc. on a daily basis
- Maintained course website, assigned lab work, graded exams and taught select lectures

FA ENGINEER INTERN – CRANE AEROSPACE & ELECTRONICS
2009 – 2010

- Assisted in the automation of production line data-logging tools and programmed data analysis tools (in Visual Basic)
- Performed electrical failure analysis through means of FIB and SEM tools on devices suffering from electrostatic discharge (ESD) damage

RESEARCH ASSISTANT – UNIVERSITY OF WASHINGTON BIO-ROBOTICS LAB
2008 – 2009

- Maintained and updated applications made for data acquisition for haptic experiments using LabView.
- Constructing experimental apparatuses to aid in data collection.
- Drafting documentation for data acquisition software and experimental setups.

EDUCATION

BERKLEE COLLEGE OF MUSIC, VALENCIA, SPAIN 2017

- Masters in music production & technology
- Thesis: Artificial Neural Networks for Music Composition

UNIVERSITY OF ILLINOIS AT URBANA CHAMPAIGN, 2012
- M.S. in Electrical Engineering
- Thesis: "Silicon-Based pH Sensor For Biological And Environmental Applications"

UNIVERSITY OF WASHINGTON, SEATTLE, 2010
- B.S. in Electrical Engineering, specializing in DSP
- Published: "Haptic characteristics of some activities of daily living" (IEEE March 2010)

SKILLS

Product Development (electronics)	4 years
Electronics Test Engineering	4 years
Project Management	3 years
Electronics Fabrication	5 years
Computer Programming	6 years
Circuit Design / Verification	2 years

Software:
Visual Studio, Eclipse, Matlab, LabView, Cadence, PSPICE, Spotfire, Max MSP/Jitter, Blender

Programming Languages:
C, C++, Java, Visual Basic, PERL