

PRESTON PARRETT

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OBJECTIVE

Secure a full time position utilizing my skills in Electrical, Computer, and Product Engineering.

EDUCATION

B.S. Electrical Computer Engineering – University California Santa Barbara 2008
Technology Management and Entrepreneurial Certificate Program – University California Santa Barbara 2008

TECHNICAL SKILLS

- Strong understanding of semiconductor fabrication, assembly, characterization, and release procedures
- Onsite experience with semiconductor Automated Test Equipment (ATE), Catalyst, Tiger, HP, Epson
- Experienced in use of digital and analog lab tools: logic analyzers, oscilloscopes, frequency generators, BERT, LabView, Soldering, ESD compliance
- Proficient with: UNIX/Linux, MS Win 9x-Vista, MS Office, ModelSim, MatLab, ViewDraw, PSPICE, DataConductor
- Strong debugging skills, creative problem-solving and excellent perseverance
- Very organized, excellent time-management and communication
- Self-starter with strong leadership and team management skills
- Out-going, friendly personality with a great sense of humor

EMPLOYMENT EXPERIENCE

Manufacturing and Product Engineer 2008-Present

Applied Micro Circuits Corporation – San Diego, CA

- Assist NPI Product Engineering team in device design and characterization throughout product development and release to production
- Interface with design and/or verification engineers, quality engineers and suppliers to enhance manufacturability of products
- Develop manufacturing processes with design guidelines that promote process capability including creating, checking and releasing formal documentation
- Account for yield improvement opportunities, identify, qualify, and execute cost reductions including offshore production
- Analyze production statistical data and provide lot dispositions
- Test and evaluate RMA devices and production failures

Senior Hardware Engineering Intern 2006-2008

Danaher Motion - Santa Barbara, CA

- Performed ongoing hardware testing and debugging of new FPGA builds
- Designed PCB schematic and layout for motion control test fixtures
- Managed two other Jr. Interns to support senior engineers

Technology Trainer and Hardware Sales 2002-2005

CompUSA – Encinitas, CA

Webmaster and Graphic Development 2001-2004

JDSSC – Encinitas, CA

HONORS/AWARDS

- Technology Management and Entrepreneurism Certificate – UCSB 2008
- IEEE Member 2007-2009
- Deans Honor Roll - UCSB College of Engineering 2005-2008
- Employee of the Month – CompUSA 2003
- Techno Maverick Honor: Designed and Built Touch screen Computer - LCCHS 2002
- Eagle Scout Award - BSA Troop 776 2002

RELATED COURSE WORK

- Electronic Circuits, Devices and Systems
- Digital Design Principles and Methodologies
- Logic Synthesis and Functional Verification
- Computer-Aided Design of VLSI Circuits
- Computer Architecture
- Operating Systems
- Computer Networks
- Verilog/C/C++/C#/HTML/Java Data Structures
- Artificial Intelligence and Machine Learning
- Statistical Analysis
- Digital Image Processing
- New Venture Creation
- Corporate Management and Negotiation
- Finance and Marketing