

SHARMILA D. MAGAN LAL

2404 WEST SYCAMORE STREET
(479) 571-3566

FAYETTEVILLE, ARKANSAS 72703
E-MAIL: SMAGANL@UARK.EDU

OBJECTIVE

To obtain full-time employment as an Electrical Engineer that will enable me to use my education, skills and experience in the field of Semiconductor Power Devices.

EDUCATION

January 2003 to Present	University of Arkansas	Fayetteville, Arkansas
• M.S. in Electrical Engineering	Graduation: May 2004	GPA: N/A
August 1999 to December 2002	University of Arkansas	Fayetteville, Arkansas
• B.S. in Electrical Engineering	December 2002	GPA in Major: 3.1
August 1997 to Fall 1999	University of Arkansas	Little Rock, Arkansas
• Engineering Technology	Undergraduate Prerequisites	GPA: 3.0

Relevant Courses:

Mini-Computer Applications, Software Engineering
Semi-Conductor Devices, Switch Mode Power Conversion
U of A Solar Boat team, EE Design Lab
Power Distribution Systems, Modeling and Simulation of Mixed Signal Circuits

EXPERIENCE

January 2003 to Present	University of Arkansas, MSCAD Lab Electrical Engineering / Bell 3178	Fayetteville, Arkansas
--------------------------------	---	-------------------------------

GRADUATE RESEARCH ASSISTANT

- Testing electrical characteristics of novel Silicon Carbide Electronics for device modeling applications
 - Research and fabrication of hardware test circuits
-

May 2002 to Present	APEI, Inc. 700 Research Blvd.	Fayetteville, Arkansas
----------------------------	--	-------------------------------

DESIGN ENGINEER INTERNSHIP

- Assisted in developing and testing prototype for High-Temperature motor and motor drives utilizing Silicon Carbide Electronics for geological mapping
 - Developed and designed the company's web page
 - Performed research on small business proposals
-

November 1998 to June 1999

**Power Technology, Inc.
16302 Alexander Rd.**

Little Rock, Arkansas

DATA CLERK ENTRY

- Interfaced with design engineers to acquire specifications on infrared laser products
- Prepared databases for laser products inventory

COMPUTER SKILLS

- Windows, UNIX, VHDL-AMS, C, C++, FrontPage, Matlab, PSpice, AutoCad

HONORS & PUBLICATIONS

- March 2003** “Testing Electrical Characteristics of Novel Silicon Carbide Static Induction Transistors for use in High-Temperature Packaging Applications, IMAPS 2003 International Microelectronics and Packaging Society Conference, Boston, MA (submitted, not yet accepted)
- January 2003** Texas Instrument Fellowship
- August 2002** Women In Engineering Scholarship
- May 2002** Arkansas Internship Fellowship

EXTRACURRICULAR ACTIVITIES & INTERESTS

- August 1997** Institution of Electrical and Electronic Engineers (IEEE)
- June 2002** Member 2001-2002 University of Arkansas World Champion Solar Electric Boat team
- Specialized in integration and testing of motor propulsion systems
 - Primary Pilot
- August 2002** Women In Engineering (WIN)
- February 2003** Society of Women in Engineering (SWE)

References are available upon request