

**Objective** A challenging position in the telecom and computer networking industry utilizing my technical and management skills.

**Areas of Interest**

- Network Protocols
- Ultra wideband wireless communication
- Physical and MAC layer issues of wireless communications
- Signal Processing in wireless networks

**Education**

**Masters in Telecommunications** *Aug 2006 onwards*  
University of Maryland – College Park  
GPA Fall 2006: 3.0/4.0  
**Expected Graduation: Spring 2008**

**B.Tech in Electronics and Communication Engg.** *Aug 2002- July 2006*  
IEET, Himachal Pradesh Univeristy, India  
**Aggregate Score: 71%**

**Work Experience**

**Teaching Assistant** *January 2007 onwards*  
Department of Physics, Univ. of Maryland – College Park

**Summer Internship** *June 2005 – July 2005*  
SLR InfoTech Pvt. Ltd. Chandigarh, India  
*Project Title : Study and Analysis of Computer Networks*

**Summer Internship** *June 2004 – July 2004*  
Central Scientific Instrument Organization- Chandigarh, India  
*Project Title: Study of Communication Systems, Sensors, and Transducers for design and prototype of a digital clock*

**Project**

**PCS system implementation** *Fall 2006*  
Deployment and Frequency Planning for a PCS System using MAXPLAN

**Study and Analysis of Networking Protocols** *Fall 2006*  
The objective of this project was to study and analyze protocols involved in different layers of OSI Model using Ethereal (packet capturing tool).

**Skills**

**Software/databases/Simulation packages**  
C/ C++, MATLAB, HTML, Dreamweaver, MS project, MS-Office suite, MS Access, SQL, javascript

**Networking knowledge and Protocols:**  
OSI Model, Ethernet, HDLC, PPP, PPTP, ATM, ARP, BGP,OSPF, EGP,ICMP, IPv4,IPv6, RARP,, TCP, UDP, FTP, HTTP, DNS, IP addressing, CIDR, DHCP.

### **Wireless Knowledge:**

GSM, GPRS, IS-95 CDMA, CDMA2000, W-CDMA, UMTS, 2.5G/3G systems, frequency planning, RF network planning, design and optimization, link budgets, C/I analyses, OFDM, IEEE 802.16, IEEE 802.11

### **RF and Satellite hardware/software tools**

MaXplan (RF network and frequency planning) , Poseidon (interference), Ehtereal packet sniffer, MS- Project

### **Operating systems**

MS Windows, Mac OS-X

## **Courses**

### **Graduate level (Spring 2007)**

- OFDM technologies
- Telecommunications Marketing Management
- Management and Organizational behavior in the Telecommunications Industry

### **Graduate level (Fall 2006)**

- Telecommunications Networks
- PCS System implementation
- Decision support methods for Telecommunication Engineers

### **Relevant Undergraduate courses**

- Analog and Digital Communication
- Communication theory and Systems
- Advanced telecommunication systems
- Computer Communication and Networks
- Radar and Navigation

## **Extracurricular Activities**

- Appointed **Coordinator Hospitality Committee** for a National Level Technical Festival ` Emanation 2006' at undergraduate level – 2006
- **Presented a seminar** on Laser Range Finders and Ceilometers at undergraduate level – April 2006
- **Gold Medal** in Badminton Competition in College Sports Meet – 2003
- **First Prize** in Collage making Competition in College – 2003

## References

- Dr. Richard E. Berg  
Professor of the Practice, Department of Physics  
Director, Physics Lecture-Demonstration Facility  
Department of Physics  
University of Maryland  
Phone: (301) 405-5994  
[reberg@physics.umd.edu](mailto:reberg@physics.umd.edu)
- Charles Edward Wright  
Coordinator  
LIBR-Libraries  
University of Maryland,  
Phone: (301) 405-9182  
[cewright@umd.edu](mailto:cewright@umd.edu)
- Gretchen Gueguen  
Digital Collections Librarian  
Digital Collections and Research  
University of Maryland Libraries  
Phone: (301) 314-2558  
[ggueguen@umd.edu](mailto:ggueguen@umd.edu)