

Gaurav S. Negi

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OBJECTIVE To obtain a challenging position in a financial services company that best fits my skill-set.

EDUCATION **Polytechnic University**, Brooklyn, New York
Bachelor of Science Degree in **Electrical Engineering**
Anticipated Graduation Date: December 2006
GPA: 3.2/4.0

COURSES

Wireless Personal Communication Systems (Grad Level)	Object Oriented Programming in C++
Internet Architecture and Protocol (Grad Level)	Communication Networks
Wireless Communications Lab (Grad Level)	Managerial Economics
Wireless and Mobile Networks (Grad Level)	Electronics

HONORS **Polytechnic University International Scholarship**, 2003-2007
National Dean's List, 2004-2005
Dean's List, spring 2005

COMPUTER SKILLS

<i>Languages</i>	C, C++, HTML
<i>Software</i>	MS Office, MS Visio, MS FrontPage, Microsoft .NET, MATLAB, Macromedia Flash, Maple, ROBOLAB, LabVIEW, AutoCAD, Xilinx Foundation, ACT
<i>Systems</i>	MS Windows 95/98/NT/2000/XP, Unix

PROJECTS **BER Measurement in the Wireless Fading Channel** (Sept '05 - Dec '05)

- Simulated the effect of Rayleigh fading on a RF signal.
- Used BER to evaluate the performance of digital communication systems.
- Examined the relationship between BER and SNR using a MATLAB program simulation.
- Devised a possible solution to bit errors: Error Correcting Codes.
- Delivered a final presentation and a detailed project report at the end of the term.

Case Study: Jack Neft Trucking Company (Sept '05 - Nov '05)

- Worked with a team of six to design a complete business solution.
- Took on team leader responsibilities and delegated tasks to the other team members.
- Used project management skills like *WBS*, *CPM* and *resource management*.
- Maintained and updated all the project plans on *MS Project*.
- Evaluated the possible risks and methods to curtail them.
- Delivered a final presentation and received recognition as the most 'cost-effective' solution.

Poly Playing Machine (Jan '05 - May '05)

- Designed a digital circuit for implementing a one-player game involving the player to play digits on four position displays (for which you earn/lose points) against an intelligent machine player.
- Developed the circuit using CAD software (*Xilinx Foundation*) on a *FPGA chip*.
- Based the schematic on product speed, cost, power consumption, reliability and size.

EXPERIENCE **Vishalnet Inc**, New York, NY (June '05 – Sept '05)
Systems Engineer Intern

- Led a team of three in designing websites using *MS FrontPage* and *Macromedia Dreamweaver*, including one with e-commerce functionality.
- Performed hardware trouble-shooting and software installations.
- Learnt computer networking basics on the *Windows Server 2003* platform.
- Created *PowerPoint* slides and accompanied the company president on presentations.
- Maintained the company contacts database using *ACT*.
- Learnt how to create a *MySQL* database, and how to link it to an online form using *PHP*.
- Maintained and updated all the project plans on *MS Project*.

Polytechnic University, Brooklyn, NY (Sept '04 - Present)
Physics Tutor, Office of Special Services (also a member of the Advisory Committee)

- Tutor students in college level Physics.
- Motivate students to focus on their academic goals through professional discipline.
- Keep track of their progress on a weekly basis.

ACTIVITIES Member, *IEEE* (Institute of Electrical and Electronics Engineers), Student Chapter
Member, *SASA* (South Asian Student Association)
Member, *PIC* (Polytechnic Investment Club)

REFERENCES Available upon request