AMEET NIRMAL VASWANI

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Objective

To obtain an internship in the field of computer engineering or computer science. Interested in systems programming and applications development.

Education

Carnegie Mellon University, Pittsburgh, PA
Master of Science in Electrical and Computer Engineering — May 2003
Bachelor of Science in Electrical and Computer Engineering — May 2002
Double Major in Computer Science
Major GPA: 4.0/4.0 Cumulative GPA: 4.0/4.0

Relevant Courses

Operating System Design and Implementation
Introduction to Computer Architecture
System Level Programming
Artificial Intelligence
Introduction to Telecom Networks
Packet Switching and Computer Networks
Network Evaluation and Design
Algorithm Design and Analysis

Work Experience

CISCO SYSTEMS, Research Triangle Park, NC — January 2001 – August 2001
Software Development Engineer, Mobile Wireless Group

- Developed enhancements for a router microengine debugger by adding functionality for macros and data breakpoints (using C and Cisco Internet Operating System)
- Ported Turbo QoS functionality to a Cisco router by modifying microcode on forwarding engines
- Worked with the 'bring-up' team of a new Cisco router
  - Debugged and enhanced the diagnostics code
  - Interacted with hardware engineers to verify and debug hardware design
  - Helped in test lab setup and configuration

Awarded the Individual and Team Achievement Awards, Cisco Achievement Program, for this project

NVIDIA CORPORATION, Santa Clara, CA — June 2000 – August 2000
Performance Analysis Intern

- Analyzed performance of graphics boards using different benchmarks and test equipment configurations
- Assisted in development of demos for product launches

CARNEGIE MELLON UNIVERSITY, Pittsburgh, PA — January 1999 – January 2000
Tutor: Programming in C++

Academic Projects

- Progressive 3D Modeling of VRML images, Honors Research Project — Fall 2001
- Implement DiffServ QoS on a router using IXP1200 packet processors
- Developed an Operating System kernel, file system and shell (based on UNIX Operating System)
- Designed and implemented a pipelined ARM7 processor in structural Verilog

Computer Skills

Computer Languages: C, C++, Verilog, SML, BASIC, HTML
Operating Systems: Microsoft Windows, Unix, Linux, Mac OS
Software: Microsoft Office, Matlab, Maple V, Macromedia Flash

Honors

Dean's List, Carnegie Mellon University: All semesters
Graduated First among all high schools in Kuwait
AIR-INDIA Scholastic Award — 1996, 1998

Activities

Esite, organized Start-Up Job Fair, Carnegie Mellon — Fall 2000
IEEE, Member — Spring 2000 - Present
Assistant Leader in Student Government, Carmel School, Kuwait — Fall 1996 – Spring 1997
Won 2 medals in Open Chess Tournaments
Intramural tennis, squash, soccer, volleyball and table tennis