The CSCI Advisor

Semester
FALL 2006

Image

Menu
- Course Info
- Reminders
- Undergraduates
- Graduates

Department Home Page
www.cs.niu.edu

Features
- *NEW* Online Courses – pg. 2
- SEAsite Reflections – pg. 8
  Dr. Jim Henry, Director of Graduate Studies
- Announcement: The New CS at NIU
  Website & Logo Contest – pg. 10
INTRODUCTION

This newsletter is published biannually by the Department of Computer Science at Northern Illinois University in conjunction with the Student Chapter of the Association for Computing Machinery (ACM). The newsletter will help our students become more informed about our activities and projects, and is also sent to prospective students, alumni, and employers seeking information about our department. Check out our new online courses on this page and the Logo Contest on page 10.

ACM OFFICERS

ACM Chair: WILLIAM “ROB” LYMAN
ACM Vice Chair: STACEY ALDEN
Secretary: TYSON STEELE
Treasurer: ERIC HELSER

REGISTRATION INFORMATION

Students may access the Spring 2007 Schedule of Classes via the Office of Registration and Records’ website at http://www.reg.niu.edu/regrec/ and under the heading “Schedule of Classes & Registration Information.”

The reference numbers for all Spring 2007 Computer Science courses can be found on the department’s homepage at www.cs.niu.edu under the listing “Course Offerings.” They are also posted on the bulletin board outside the Computer Science Department office located in the Psychology/Computer Science Building (PM) Room 460.

SUMMER 2006 GRADUATES

Undergraduates and graduate students who completed the requirements for their degrees in Summer 2006, and who wish to take part in the upcoming Fall 2006 graduation exercises, are able to participate in the December 2006 Commencement Ceremonies. Undergraduates wishing to do this must obtain permission from Dr. SUE W. DOEDERLEIN, Associate Dean, College of Liberal Arts and Sciences. Graduate students should address their petitions to Dr. BRADLEY BOND, Associate Dean, Graduate School.

SOMETHING NEW – ONLINE COURSES AVAILABLE

The Department of Computer Science is now offering select courses online for the Spring 2007 semester, as listed below:

CSCI 210: Elementary Programming
   Professor Geoffrey Decker
CSCI 275: Elementary Web Design
   Professor Georgia Brown
CSCI 466: Database/Commun. Software
   Dr. Eugene Sheng
CSCI 467: System Design & Analysis
   Professor Kaisone Rush
CSCI 490Q/580U: TPC: Comp. Security
   Dr. Shankar Hegde
   Dr. Kathi Davis

Questions regarding these courses may be directed to the departmental office, PM 460.
THE COMPUTER SCIENCE MINOR

In Fall 2005, the Computer Science Department began offering a Computer Science minor. To be eligible for declaration, students must have completed or be enrolled in CSCI 240 and have credit for or be placed through MATH 110. The following courses are also required to complete the minor:

- CSCI 241: *Int. Programming in C++*
- CSCI 330: *The UNIX System*
- CSCI 360: *Assembler*
- One CSCI course numbered 400+

At least six of these semester hours must be taken at Northern. Interested students must sign up for a Pre-Computer Science Declaration Meeting and applications should be submitted on or before October 6, 2006 during the fall or between January 29 and February 23 during the spring semester.

REMINDERS

PRE-MAJORS

If you are eligible to declare a computer science major or minor but have not yet done so, please stop by the departmental office immediately to fill out an application. Spring 2007 declaration applications should be submitted between January 29, 2007 and February 23, 2007.

Students attending school during the fall and/or spring terms at NIU who have not attended a Pre-Computer Science Declaration Meeting should make arrangements to attend one of these meetings. Such arrangements can be made during the early weeks of the current term by contacting the department’s receptionist, MEG GARDNER, at PM 460, Psychology/Computer Science Building.

ON-CAMPUS COURSES

UNDERGRADUATE STUDENTS


In addition to the above departmental offerings, the following topic courses are available for Spring 2007:

- CSCI 470: *Programming in Java*
  Dr. Jie Zhou
- CSCI 473: *.NET Programming*
  Dr. Robert Zerwekh
- CSCI 475: *Web Development*
  Prof. Penny McIntire
- CSCI 480: *Theoretical Operating Systems*
  Staff
- CSCI 490A: *TPC: Pattern Recognition*
  Dr. Jie Zhou
- CSCI 490R: *TPC: Computer Networks*
  Dr. Steve Wang

See also the online course offerings on pg. 2.
ON-CAMPUS COURSES (cont.)

GRADUATE STUDENTS

The Department’s Spring 2007 semester 500-level graduate courses are CSCI 530: Computer Networks, CSCI 531: Network Applications Programming, CSCI 563: System Design & Analysis, CSCI 568: Advanced Systems Programming, and CSCI 588: Database Concepts, in addition to the following topic courses:

CSCI 575: Client-Side Web Development
   Professor Penny McIntire
CSCI 580E: TPC: Java
   Dr. Jie Zhou
CSCI 580M: TPC: Internet Services
   Dr. Jia Zhang
CSCI 580Q: TPC: Graphical Modeling
   Dr. Kirk Duffin
CSCI 580R: TPC: Pattern Recognition
   Dr. Jie Zhou
CSCI 580V: TPC: .NET Programming
   Dr. Robert Zerwekh

Graduate students wanting to complete reading courses must secure permission from both the department and the individual teacher with whom they wish to read. The names of faculty members eligible to offer graduate reading courses, as well as any additional information regarding on-campus course offerings, can be obtained from the department’s receptionist, MEG GARDNER.

Additional graduate courses are offered at the Multi-University Center, Oakbrook; NIU-Hoffman Estates; NIU Rockford; and occasionally at NIU Naperville (for details, please see the following article entitled “Regional Courses”).

REGIONAL COURSES

The Northern Illinois University Computer Science Department’s Regional Courses are conducted at the Multi-University Center (MUC), Suite 200, 1010 Jorie Blvd., Oak Brook, IL; at NIU-Hoffman Estates (HEEC), 555 West Trillium Blvd., Hoffman Estates, IL; at NIU Rockford, 8500 East State, Rockford, IL; and at the Naperville campus, 1120 E. Diehl Rd., Naperville, IL. The graduate program is offered at the Oak Brook and Hoffman Estates sites; the undergraduate General Computer Science emphasis is offered in Rockford.

The Spring 2007 semester Regional Courses are as follows:

CSCI 360: Assembler (NIU Rockford)
CSCI 464: Data Structures (HEEC)
CSCI 465: External Data Structures (MUC)
CSCI 468: Systems Programming (MUC)
CSCI 475: Web Development (NIU Rockford)
CSCI 530: Computer Networks
   (NIU Naperville)
CSCI 588: Database Concepts (MUC)

Questions about the department’s Regional Courses should be directed to the Department of Computer Science (815-753-0378); information about graduate or student-at-large status can be obtained from NIU’s Graduate School – Telephone No. 815-753-0395 or website address http://www.grad.niu.edu/apply.htm.

Undergraduate students not admitted to Northern who wish to pursue the General Computer Science Emphasis at NIU Rockford should contact the Northern Illinois University’s Office of Admissions.
REGIONAL COURSES (cont.)

for details: Tel. No. 815-753-0446 or website http://www.admissions.niu.edu/admissions/.

Commuting NIU undergraduates can enroll in classes at the Multi-University Center, at NIU-Hoffman Estates, or at NIU Rockford. In addition, graduate students can complete available courses at the Multi-University Center, NIU Rockford, and occasionally at NIU Naperville.

Additional information about Regional Courses can be found under the listing LAS-CSCI at http://www.outreach.niu.edu/rcc/.

GRADUATE OPPORTUNITIES FOR UNDERGRADUATES

Undergraduates may be allowed to take a graduate course for undergraduate credit if they have:

1. a minimum of 90 credit hours
2. completed CSCI 440 or 464
3. at least a 3.0 GPA
4. departmental permission

Also, undergraduates who are scheduled to complete their graduation requirements in their final term without carrying a full load have the possibility for early admission into Graduate School. This option allows students to combine both undergraduate and graduate studies in their last semester of undergraduate work.

See the department's Director of Graduate Studies, Dr. GEORGE (JIM) HENRY, to investigate either of these possibilities if you are interested and believe that you are qualified.

In addition, undergraduates interested in attending graduate school in the field of Computer Science either at Northern or elsewhere are encouraged to speak with Dr. Henry about their plans.

SPECIAL OPPORTUNITIES FOR UNDERGRADUATES

UNDERGRADUATE TEACHING FELLOWS

Applications for Spring 2007 Teaching Fellowships should be filed by November 13, 2006. The criteria for these awards include a GPA of 3.0 or above in Computer Science coursework. Interested Computer Science majors can obtain applications from the department's receptionist in PM 460.

INTERNSHIPS

Students will discover that there are numerous interesting, well-paid job opportunities available to declared Computer Science majors. Many of these internships are in the Chicago area, but there are also internship opportunities in San Jose, CA; Raleigh, NC; Minneapolis, MN; and other major metropolitan areas.

Academic credit can be earned for these jobs through the department’s internship course CSCI 390: Internship and, in the case of graduate students, CSCI 590: Internship. Earning credit for CSCI 390 is a convenient way partially to meet the three-hour 300-400
SPECIAL OPPORTUNITIES FOR UNDERGRADUATES (cont.)

INTERNSHIPS (cont.)

level elective requirements that declared undergraduate Computer Science majors must successfully complete.

The reports filed to meet the requirements for internship credit are also useful documents to include in students’ job portfolios.

This year’s Fall Internship Fair was held on Wednesday, October 4, 2006 at the Convocation Center. There will be another Internship Fair in the spring on Wednesday, February 14, 2007. Information about internship opportunities can also be found at http://www.niu.edu/CareerServices/.

NIU FULL-TIME JOB FAIRS

The Northern Illinois University Office of Career Services conducted a Full-Time Job Fair on Wednesday, October 11, 2006. The next upcoming Full-Time Job Fair is scheduled for Wednesday, February 21, 2007. For more information about this important event visit the official Northern Illinois University Career Services website: http://www.niu.edu/CareerServices/.

Northern Illinois University’s fairs are among the largest campus-based job fairs in the country. In addition to these opportunities, Northern’s Career Services Center posts announcements on job fairs held on other regional campuses. Interested students can obtain information about these fairs from the website mentioned above.

Students exploring job opportunities should also visit the listing for Victor eRecruiting at the aforementioned website. In addition to job opportunities for alumni and current students, there are sample résumés as well as information about how to search for a position, places where previous graduates are employed, and other valuable services.

FALL 2006 STUDENT EVALUATIONS OF TEACHING

Wednesday, November 15, 2006 and Thursday, November 16, 2006 have been designated for student evaluations of the department’s professors. All students are encouraged to participate responsibly in this exercise so that our teachers can obtain feedback on their teaching practices and performances. The department relies heavily on these evaluations in making administrative decisions. In addition, the results of the evaluations play an important role in selecting the department’s annual teaching excellence award winner.

ACM NEWS

The Student Chapter of the Association for Computing Machinery (ACM) serves as a focal point for information regarding the advantages of association with this organization of computer professionals.

The ACM had its first meeting of the fall semester on September 12, 2006, when Career Services’ ROBERT HUFFSTUTLER and BOB NORWOOD presented once again the various services they offer to NIU students. During this important
informational event, they also outlined a number of simple but practical (and extremely useful) tips regarding how to get the most out of career and internship fairs.

The NIU Chapter of the ACM will also be holding its third programming contest. For details regarding rules and participation, please consult the official Northern Illinois University Computer Science Department website, http://www.cs.niu.edu/~niuacm. You may enter the contest at any time before its November 3rd deadline to compete for a number of prizes including an mp3 player, USB drives, and even quilts! Ideally, we’d like to think about participating in the ACM national programming contest. Please direct your interest in doing so to either Professor Georgia Brown (gbrown@cs.niu.edu) or Professor Amy Byrnes (abyrnes@cs.niu.edu) so that we may organize student participation in national ACM contests in the future.

Additional fall semester ACM meetings are scheduled for October 10 and November 14, 2006, with details to be advertised as soon as they are available. Meetings for the Spring 2007 semester are tentatively scheduled for February 13 and April 10, 2007, with a barbecue or picnic just before finals if weather permits. Please be on the lookout for updates on the bulletin boards just outside of the Computer Science Department office at PM 460.

Officers this year are WILLIAM “ROB” LYMAN, Chair, STACEY ALDEN, Vice Chair, TYSON STEELE, Treasurer, and ERIC HELSER, Secretary. Faculty advisors are GEORGIA BROWN and AMY BYRNERES.

Dr. NOBORU MATSUDA, Carnegie-Mellon University, gave a lecture sponsored by the Graduate Colloquium Committee and the Department of Computer Science on Tuesday, August 8, 2006 entitled “Using Simulated Students to Build Cognitive Tutors and Beyond – Cognitive Modeling with Programming by Demonstration.”

Dr. NASIR MEMON, a professor in the Department of Computer Science at Polytechnic University in Brooklyn, New York delivered a lecture on Monday, October 16, 2006 at 4:00 PM in the Psychology-Computer Science Building (PM) Room 253. His lecture was entitled, “ForNet: A Distributed Network Forensics System.” Dr. Memon received his PhD from the University of Nebraska in 1992 and was an Assistant Professor of Computer Science at Northern Illinois University from 1994 to 1998. His principal research interests include data compression, computer and network security, digital forensics, and multimedia processing. His visit to Northern was also sponsored by the Graduate Colloquium Committee and the Department of Computer Science.

‘06-‘07 SCHOLARSHIP AWARDS

The following students were awarded scholarships, with the source of the funds indicated in italics below:

SPRING 2006

Michael D. Calderwood ........ Evelyn Nelson
Michael Benson .................... Evelyn Nelson
SCHOLARSHIP AWARDS (cont.)

Eric Helser..........................Evelyn Nelson
Nicolas Borg.......................Evelyn Nelson
Eric Bambach.....................Horvath Family

FALL 2006

Nicolas Borg.................AG Communication
Michael Benson..............AG Communication
Kyle Buehler...............General CSCI Scholarship
Chris Elliott..............General CSCI Scholarship
Timothy Miller...............Evelyn Nelson
Christopher Peterlin.........Evelyn Nelson

FALL 2006/SPRING 2007

Derek Erdmann..............Elizabeth Schwantes

The funds for these scholarships come from endowments and monetary contributions from the department’s alumni and friends. The students selected for these awards have outstanding academic records in their computer science and general university coursework.

FEATURES

MEET DR. RAIMUMD K. EGE  
OUR NEW DEPARTMENT CHAIR

Dr. RAIMUND K. EGE has been serving as new Chair of the Department of Computer Science as of July 1, 2006. Dr. Ege, who previously was the Director of Graduate Studies in the School of Computing and Information Sciences at Florida International University (FIU) in Miami, Florida, earned his Ph.D. at Oregon Graduate Institute for Science and Technology and was a faculty member at FIU for over 15 years. He is an active researcher and teacher specializing in computer and information security, multimedia communication, and software architecture. He is recognized as an expert on object-oriented concepts. Dr. Ege comes to Northern Illinois with his wife, Jacqueline, and three children, Sophia, Alexander, and Lucas.

SEAsite REFLECTIONS

Dr. Jim Henry, Director of Graduate Studies

If you've taken CSCI 240 or 465 or maybe Java or .NET, you may have noticed that the course homepage is at www.seasite.niu.edu/something. "Seasite?" What's that? It's not one of the department Unix servers, where a lot of the other CS stuff is. In fact, it is a Web server running Microsoft Server 2003, used by a project directed by Dr. Henry and Dr. Zerwekh.

The project, called SEAsite, which stands for "SouthEast Asia site", is a large (gigabytes of data) Web site dedicated to providing resources to students all over the world who want to study any of seven SE Asian languages and learn about the cultures and peoples of those areas. The project, which started in 1997, is sponsored by grants from the U.S. Department of Education. Faculty from the Foreign Language Department participate (as you might expect) as well as faculty from Anthropology, Art, Music, History, and other departments. It is not entirely coincidental that Dr. Henry’s wife is a Professor in the Foreign Language Department and teaches Indonesian here,
and Dr. Zerwekh's wife is a Professor of Anthropology and has been Director of NIU’s Center for SE Asian Studies.

So what do you see if you go to www.seasite.niu.edu? (Leaving off the "/something"…) You’ll see the SEAsite main page, with links to the seven SE Asian Language sites as well as links to documents on the History of Burmese Art (with lots of interesting pictures and text by Dr. Richard Cooler, professor Emeritus of NIU’s School of Art, and a world class expert on Burmese art); you will find an interactive picture database where you can search for pictures of SE Asia by country and keywords; you’ll find an essay on Thai Buddhism by Dr. Grant Olson, Director of the Foreign Language Department’s Language Laboratory; you’ll find a link to a translation course with custom (.NET) software for translators, and much more.

Why should this interest you, a computer science student? For two related reasons, I think.

First, if you look around the site, you will find a variety of interactive features that are the product of custom programming done by Computer Science faculty and students. For example, there are interactive dictionaries for several languages using Java applets and .NET-powered clients that link to server-side dictionary lookup programs. Using these, language students can easily look up words in the foreign language they study (the programming for some of this was not so easy). The dictionary data is stored in relational databases; the Java servers use JDBC to do the lookups. Words and definitions for languages with exotic scripts (such as Thai) are stored as Unicode strings. The picture database is also implemented as a relational database, but with an .asp front-end (although the picture database editor is a Java client-server pair). In the language lessons there are frequent test-yourself quizzes for students, written as Java Applets. Some are simple multiple choice question quizzes, but others involve having the user drag on-screen pictures to carry out written or audio "orders." Still another quiz type has the user drag words to answer questions or form sentences from the supplied words. This is particularly helpful for languages like Thai, Burmese, Lao, and Vietnamese, since students probably do not know how to type in these languages (and our keyboards don’t have their letters on the keys anyway).

These illustrate some innovative and novel uses for computer programming; they demonstrate that not everything in programming is related to business or science. Some of it can relate to other fields of human endeavor and interest, and even if your day job involves some bank’s customer accounts, you can find other things that more directly involve your interests and affect your life. I would point out that both Dr. Z and I are NIU-trained in Computer Science and everything we have done here is based on our NIU CS education - and the ability that it provided us (and provides to you) to learn new skills.

Another point to be made is this: many of you are deeply interested in CS, sometimes to the exclusion of much else. This is good, up to a point. I’ve known a lot of students who spent almost all their time at NIU on
SEAsite REFLECTIONS (cont.)

CS, programming, gaming, and so on. At least this is what they’ve told me... I’ve become good friends with a number of them and have kept in touch over the years. Some, after 5 or 10 years, have become - let’s say - dissatisfied with a life that revolves predominantly around computing technology largely to the exclusion of other interests.

This might not be you - but if it might be, understand that at some point you might begin to feel burned out. You might come to see that you need other interests - for variety, for satisfaction. You might wish you had taken fuller advantage of the opportunities to develop other interests that are offered by an undergraduate education in a College of Liberal Arts and Sciences. An interest in SE Asian language and culture could be one such interest. It has been for Dr. Zerwekh and me. Or you could learn more about American history, or learn pottery or Russian literature - there are many possibilities, of course.

I know we try to keep you busy in our CS courses, but don’t be totally sucked in... Think about it. It’s your life.

THE NEW «CS at NIU» WEBSITE & LOGO CONTEST:
«A new iPod for a new CS at NIU»

Today, the NIU Department of Computer Science is at the cusp of a new era, coupling our effective, highly goal-oriented standards of academic excellence with a renewed focus on competitiveness and the latest trends in curriculum and technology. We are proud to introduce a marketing website that will supplement our official www.cs.niu.edu by serving as an update billboard for all of the new ideas and activities that have long been brewing in the minds of our faculty and staff. You can find out more about the positive changes we are making in our image and our curriculum, such as the groundbreaking addition of online courses for Spring 2007, by visiting www.CSAtNIU.com.

The Computer Science Department is very excited about the new directions we are taking. As a part of these changes, a new logo for the www.CSAtNIU.com website will help to celebrate our fresh new image, one which reflects the growing recognition that information technology is again the place to be, the education to pursue, and the career to choose. Computer science and information technology are “hip” again. And, moreover, we expect to see a surge in the job market for computer science students in coming years. In short, there is no better place for being “in” than at the forefront of information technology with Computer Science at Northern Illinois University, CS at NIU!

To celebrate the creation of www.CSAtNIU.com, our department teamed up with Apple Computers in a contest for which students submit suitable logo images for the new website. The logo that best encapsulates the new image of CS at NIU will appear on the website and in other marketing materials, and will win the first of three tantalizing prizes: a new generation video iPod with an impressive
THE NEW «CS at NIU» (cont.)

30 GB of memory (this is not your grandmother’s iPod!). The second prize is the new, completely remastered iPod nano that can hold more music than ever before. Third prize, then, is a USB memory stick with a “mere” 4 GB capacity which will more than cover your assignment storage needs. Entries for the Logo Contest must follow certain guidelines for size, content and submission as outlined at www.CSatNIU.com.

The unveiling of the winners will be in conjunction with a presentation by Apple on Visual Programming Tools for the Mac OS on November 2nd at 3:30 pm. Everyone is invited (rumor has it that there will be pizza), and the NIU bookstore will also be on hand to display their latest Apple product offerings.

ALUMNI NEWS


ANDREW FISCHER (B.S. 2000) is Chief Software and Network Engineer for the City of Rockford in Rockford, Illinois. He resides in Machesney Park, Illinois.

RICK HOGAN (B.S. 1982; M.S. 1984) is a Systems Engineer-WebSphere Support for Zurich Insurance in Schaumburg, Illinois. He currently resides in Hoffman Estates, Illinois with his wife, Terri, and two children.

JAMES HUGUELET (B.S. 1993; M.S. 1995) is President of the Huguelet Group, LLC in Bolingbrook, Illinois, where he also resides.

ANNE (CALLAHAN) HUNT (B.S. 1982) is Vice President of Information Technology for the F. Dohmen Company in Germantown, Wisconsin. She currently resides in Pewaukee, Wisconsin.

JAMES JANUS (B.S. 1988) is Project Manager for Allstate in Northbrook, Illinois. He resides in Winthrop Harbor, Illinois.

SUDARAT JEAMWONGSA (M.S. 1993) is IT Director for the GS Group, Incorporated in Beach Park, Illinois, where she also resides.

ELIZABETH (ECKHART) NAGLE (M.S. 1980) is retired. Her last position was Database Administrator for the University of North Carolina-Charlotte. She resides in Stockton, California.

FRANK REDA (B.S. 1982) is a Teleradiology Radiologist with the Southern Illinois University School of Medicine.

DAVID SCHRADER (M.S. 1975; Ph.D. Purdue, 1983) is Director of Marketing for NCR in El Segundo, California. He resides in Hermosa Beach, California.

JUSTIN REID (B.S. 2002) is a Senior Business Systems Analyst for HSBC (Formerly Household International) in Wood Dale, IL. He is married to the former Jamie Llorens (B.S. 2000). Justin currently resides in Winfield, IL.

JAMIE (LLORENS) REID (B.S. 2000) is the Technical Project Manager for HSBC (formerly Household International) in Wood Dale, IL. She is married to Justin Reid (B.S. 2002) and they reside in Winfield, IL.
COMPUTER SCIENCE BENEFACTORS

Below is a list of recent donors whose contributions were received during the period between March 31, 2006 and September 1, 2006. The Northern Illinois University Department of Computer Science and the Student Chapter of the Association for Computing Machinery thank each of these contributors for their generous support and recognize the important role donors play in the department’s continued success.

Mr. James and Mrs. Maribeth Anderson
Dr. Rodney and Mrs. Joyce Angotti
Mr. David and Mrs. Ruth Baumgart
Mr. Everett Bell and Mrs. Laura Lewinski-Bell
Mr. Stephen and Mrs. Eileen Boffa
Mr. Kenneth and Mrs. Virginia Brach
Mr. Jeffrey and Mrs. Tamara Bruner
Mr. Thomas Matthew Burns
Mr. Alan and Mrs. Marianne Burton
Mr. Thomas and Mrs. Kimberly Cahill
Mr. Thomas and Mrs. Claire Carlson
Mr. James and Mrs. Debbie Challenger
Mr. Kun Chul Chang
Mr. Edward and Mrs. Jean Cheszek
Mr. Stephen and Mrs. Rosalyn Cook
Mr. Michael and Mrs. Pamela Croswhite
Mr. David and Mrs. Karen Diamond
Mr. Steven and Mrs. Claudia Deichstetter
Mr. James and Mrs. Cynthia Devlin
Mr. Neil and Mrs. Anne Doughty
Mr. Mark and Mrs. Judy Dreska
Mr. Wayne and Mrs. Martha Driscoll
Mr. Robert and Mrs. Michelle Fitzgerald
Mr. Philip Henry Fruh
Mr. Scott and Mrs. Sherri Gentz
Mr. Ashish and Mrs. Vani Ghanate
Mr. Robert and Mrs. Victoria Glugla
Mr. Michael and Mrs. Susan Graham
Mr. Tim and Mrs. Wei-Wei Han
Mr. David and Mrs. Gloria Hewson, Jr.
Mr. Thomas and Mrs. Beverly Hoey
Mr. Richard and Mrs. Terri Hogan
Mr. Michael and Mrs. Lydia Hughes

Mr. James and Mrs. Stephanie Huguelet
Mr. Craig and Mrs. Anne Hunt
Mr. Mark and Mrs. Maureen Inboden
Mr. James Janus and Mrs. Renata Drobinski
Ms. Sudarat Jeamwongs
Mr. Chad and Mrs. Jennifer Johnson
Mr. Sang W. Kim
Mr. James and Mrs. Sandra Kowalkowski
Mr. Nikhil and Mrs. Peelu Kumar
Mr. Brent Kutz
Mr. Phillip and Mrs. Betty LeBlanc
Mr. R.C. Jonathan Mack
Mr. Mark and Mrs. Diana McCoy
Mr. Jonathan and Mrs. Barbara McGinn
Mr. Chris P. McMillin
Mr. Anthony and Mrs. Michelle Meyer
Mr. Glenn and Mrs. Cindy Milligan
Dr. Robert and Mrs. Pei Morgenroth
Mr. Dale and Mrs. Teresa Muir
Mr. Michael and Mrs. Sheila Nelson
Ms. Janice Nitchals
Ms. Haiying Niu
Ms. Helen Ostapik
Mr. Mark and Mrs. Heidi Page
Mr. Daniel and Mrs. Elisabeth Peterson
Mr. Nick J. Plenger
Mr. Eric C. Pope
Ms. Jill K. Porcaro
Mr. Chris Alex Poulos
Mr. Andrew and Mrs. Judy Pozdol
Ms. Geetha Prakash
Mr. Ravi M. Ramnarayan
Dr. Frank A. Reda, III
Mr. Justin J. Reid
Mr. Daniel and Mrs. Barbara Rezabek
Mr. David and Mrs. Katherine Robbins
Mr. James and Mrs. Beverly Ross
Mr. David K. Schrader
Mr. Dennis and Mrs. Margaret Schuett
Mr. Kenneth and Mrs. Diane Schuster
Mr. Mohan and Mrs. Adele Shivdasani
Mr. Frederick I. Slocum
Ms. Shannon M. Spangler
Mr. Joel Adam St. John
Mr. Michael and Mrs. Mary Ann Timm
Mr. Henry and Mrs. Sheila Treftz
Mr. Thomas and Mrs. Lisa Weber
Mr. David G. Weishar
Mr. Michael and Mrs. Debi Wollitzer
Mr. Christopher Mic Zeman

**COMPUTER SCIENCE BENEFACTORS**

Below is a list of corporate donors whose generous contributions through their matching grant programs were received during the period between March 31 and September 1, 2006.

**Alliant Energy Foundation, Inc.**
  - Match for Mr. Steven C. Smith

**Bank of America Foundation**
  - Match for Mr. Mark Gilbert

**Caterpillar Foundation**
  - Match for Mr. David L. Brewer

**Computer Associates**
  - Match for Mr. Jeffrey S. Bruner
  - Match for Mr. Jeffrey John Gross
  - Match for Mr. John Harvey
  - Match for Mrs. Heidi L. Page
  - Match for Mr. Richard Weiland, Jr.

**FMC Foundation**
  - Match for Mr. Thomas P. Cahill

**GE Foundation**
  - Match for Mr. John Alwan

**GEICO Foundation**
  - Match for Mrs. Wei-Wei Han

**HSBC**
  - Match for Mr. Robert J. Hughes

**IBM International Foundation**
  - Match for Mr. Marko Dimitrijevic
  - Match for Mr. Mark D. Imboden
  - Match for Mr. Ken Michalek
  - Match for Mr. Dale E. Muir

**NCR Foundation**
  - Match for Dr. David K. Schrader

**NICOR Gas**
  - Match for Mrs. Margaret L. Schuett

**Sabre Holdings United Way Campaign**
  - Match for Mrs. Mary Ann Timm

**Texas Instruments Foundation**
  - Match for Mr. Nick J. Plenger

**United Technologies Foundation**
  - Match for Mrs. Clare Louise Hay
ONLINE COMPUTER SCIENCE COURSES FOR SPRING 2007

CSCI 210 - ELEMENTARY PROGRAMMING FOR ALL MAJORS
This is an online course in computer programming using Java, the current industry standard programming language, and R for Windows, a statistical software package for the PC. This course offers students the opportunity to learn the basics of Java and statistical software. Online resources include self-study quizzes, collaborative sessions with the instructor and fellow students, lab exercises, learning activities, interactive tutorials, and fully comprehensive online lectures. With only three one-on-one class meetings, the majority of this course can be completed in the comfort of your own home or dorm room. So, come join us for the fun of learning elementary programming!

CSCI 275 - ELEMENTARY WEB DESIGN FOR ALL MAJORS
This course will cover the basics of html as well as the design elements that go into producing a web page that is both appealing and informative. If you have little or no experience, or are self-taught and would like the credentials, this class is for you. Each week a new topic will be discussed and an assignment will provide the opportunity to practice new skills. Students are encouraged to move at their own pace and will be graded according to his or her progress. This is an excellent class for someone who is looking to improve current job skills or explore a new career track. For those who are interested in a career in web design, this is a good way to develop a portfolio to submit to prospective employers.

CSCI 466 - DATABASE/COMMUNICATIONS SOFTWARE
This course covers all essential concepts and practices as related to database design, development, and administration. It will touch on all the core concepts of a typical introductory database course, now essential knowledge for over 90% of all IT jobs.

CSCI 467 - SYSTEMS DESIGN & ANALYSIS
This course covers OO Analysis and Design from gathering requirements of a software application project with use cases to designing and implementing a software solution. UML and a modern CASE tool are used.

CSCI 490Q - COMPUTER SECURITY
In today’s “connected” world, computer and network security are becoming extremely important as the number of security incidents and severity of their impact are steadily climbing. This course will take on various subtopics such as cryptography, Public Key Infrastructure, and security terminology, standards and protocols.

CSCI 476 - WEB DEVELOPMENT (SERVER-SIDE)
This course will examine the development of server-side web applications. This course focuses on CGI programming in Perl, the use of XML in server-side web design, and the design and use of a database in web applications. Extensive design and coding with real-world examples are part of the course.

ALL COURSES ARE DELIVERED VIA NIU’S BLACKBOARD SYSTEM

www.CSatNIU.com