

NORTHWESTERN UNIVERSITY
**ELECTRICAL
ENGINEERING
& COMPUTER
SCIENCE**
TECH, ROOM L359

START A FANTASTIC CAREER!

- * MONEY MAGAZINE 2007 RANKED "SOFTWARE ENGINEER" AS THE BEST JOB IN AMERICA!
- * U.S. BUREAU OF LABOR STATISTICS FORECASTS 60% OF NEW SCIENCE/ENGINEERING JOBS THROUGH 2014 WILL BE FOR COMPUTER SPECIALISTS!
- * 2005 AVERAGE STARTING SALARY FOR NU CS GRADUATES: \$63,050 (25% ABOVE NATIONAL AVERAGE)!
- * ABILITY TO "GO DEEP" IN CS, INCLUDING EXTENSIVE RESEARCH OPPORTUNITIES

* NEW PRE-MED OPTION!

A CS STUDENT AT NU LEARNS TO . . .

- * COMPREHEND THE BREADTH OF CS, ITS KEY INTELLECTUAL DIVISIONS AND QUESTIONS, AND ITS PAST AND LIKELY FUTURE IMPACTS ON ENGINEERING, SCIENCE, MEDICINE, BUSINESS, AND LAW; * APPROACH PROBLEMS FROM THE ALGORITHMIC PERSPECTIVE, UNDERSTANDING THE NATURE OF AND BROAD REACH OF COMPUTATION AND HOW TO APPLY IT ABSTRACTLY
- * APPROACH PROBLEMS FROM THE SYSTEMS PERSPECTIVE, UNDERSTANDING THE EVOLVING LAYERS OF THE SOFTWARE/HARDWARE STACK AND HOW TO USE AND EXTEND THEM;
- * APPROACH PROBLEMS FROM THE INTELLIGENCE PERSPECTIVE, UNDERSTANDING HOW TO MAKE PROGRESS AGAINST SEEMINGLY INTRACTABLE PROBLEMS;
- * DESIGN AND IMPLEMENT COMPLEX SOFTWARE SYSTEMS, INDIVIDUALLY AND AS A TEAM MEMBER;
- * DESIGN AND IMPLEMENT EFFECTIVE HUMAN-COMPUTER INTERFACES;
- * AND PREPARE FOR A LUCRATIVE CAREER OR WORLD-CLASS GRADUATE STUDY.

CHOOSE BETWEEN **ENGINEERING** OR **LIBERAL ARTS!**

THAT IS, YOU CAN GET YOUR CS BACHELORS DEGREE IN EITHER MCCORMICK OR WEINBERG

AREAS AND COURSES:

THEORY (ALGORITHMS, COMPLEXITY, SEMANTICS, AUTOMATA, NUMERICAL METHODS, FORMAL METHODS, VLSI CAD, BIOINFORMATICS, ETC.)

SYSTEMS

(COMPILERS, DATABASES, NETWORKING, OPERATING SYSTEMS, ARCHITECTURE, DISTRIBUTED SYSTEMS, PARALLEL SYSTEMS, COMPUTER AND NETWORK SECURITY, PERFORMANCE ANALYSIS, THE INTERNET, ETC.)

ARTIFICIAL INTELLIGENCE

(AI PROGRAMMING, CORE AI, NATURAL LANGUAGE PROCESSING, MACHINE LEARNING, COMPUTER PROBLEM SOLVERS, KNOWLEDGE REPRESENTATION, ETC.)

INTERFACES

(HUMAN-COMPUTER INTERACTION, COMPUTER GRAPHICS, COMPUTER MUSIC, COMPUTER GAME DESIGN, IMAGE PROCESSING, ETC.)

GETTING INVOLVED . . .

STUDENT GROUP: ACM.CS.NORTHWESTERN.EDU
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COMPUTER SCIENCE

McCormick

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