SIEBEL SCHOOL OF COMPUTING AND DATA SCIENCE

IMPACT REPORT FY 2024

COMPUTING AND DATA SCIENCE BECOME
THE NEW **THIRD PILLAR OF ENGINEERING**

This past year, our faculty and students were at the forefront of research and education in computing and data science. On its 60th anniversary, our program remains one of the world's pre-eminent. As FY 2024 closed, wheels were in motion to announce the $50 million gift from Thomas M. Siebel, creating the Siebel School of Computing and Data Science and shaping the global future of technology and innovation.

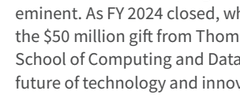
Federal agencies and private partners support research that will develop faster and more efficient semiconductors, address the vulnerabilities of AI-powered wireless networks, create “push-button” testing for computing cloud systems, and build intelligent and self-operating systems.

In the cross-disciplinary tradition of the University of Illinois Urbana-Champaign, computer scientists collaborated with Illinois Grainger Engineering colleagues from the departments of Bioengineering, Electrical and Computer Engineering, Material Science & Engineering, campus laboratories and departments, neighbors and partners at Parkland College and the University of Illinois Chicago, and peer institutions.

The CS + X and DS +X blended degree programs, the professional master’s degree program (MCS) in Chicago, and the Illinois Computing Accelerator for Non-Specialists (iCAN) certificate program in Chicago deliver computing and data science education to people from all backgrounds at all levels.

Our faculty innovates in CS education to ensure students reach their learning potential. Our Broadening Participation in Computing program supports a representative, inclusive, and caring community of students, faculty, and staff.

Computer Science led the way in FY 2024 and will continue to lead as the Siebel School of Computing and Data Science.



Nancy M. Amato (PhD CS '95)
Abel Bliss Professor
Director of the Siebel School of Computing and Data Science

Introducing the

Siebel School of Computing and Data Science

The establishment of the Siebel School of Computing and Data Science, housed within The Grainger College of Engineering, marks a significant milestone in the university's commitment to excellence in interdisciplinary education and groundbreaking research. With the generous support of Mr. Siebel, the School will pioneer advancements at the intersection of computing and data science, addressing complex challenges and driving innovation across various fields.

Thomas Siebel visited his alma mater for the dedication of The Grainger College of Engineering’s Siebel School of Computing and Data Science. He graciously accepted expressions of praise and gratitude from UI system, campus, and college leaders gathered with faculty, staff, and students at the NCSA auditorium. Siebel was candid and informative in his fireside chat with Grainger Engineering Dean Rashid Bashir. The pair discussed Siebel’s career journey from Oracle to founding Siebel Systems and selling it to Oracle, as well as his current endeavors at C3 AI. Siebel addressed the costs and benefits of entrepreneurship, his approach to philanthropy, how C3 AI deploys artificial intelligence across its cloud-based services, the present and future of AI and LLMs, AI and the stock market and AI and the future of jobs.

Further integrating Computing and Data Science as the new third pillar of engineering, alongside the historical Physical Sciences and Mathematical Sciences, the new school will focus on further advancing frontiers at the intersections of computing and data science; an effort that is already well established through the university’s deep history of computing innovation.

CS Team awarded $5M NSF grant to take on large graph problems

The challenges of graph computations stem from the complexity of the algorithms used and the large computing and storage requirements of many graph problems. To address these challenges, a team headed by Principal Investigator Josep Torrellas, Saburo Muroga Professor of Computer Science and Director, SRC JUMP 2.0 ACE Center for Evolvable Computing, has been awarded a $5M NSF grant for five years.

Vulnerabilities in AI-powered wireless networks

A groundbreaking study led by Professors Deepak Vasisht and Gagandeep Singh from the Siebel School of Computing and Data Science revealed significant vulnerabilities in next-generation wireless systems relying on artificial intelligence (AI). Their research shows that small amounts of noise transmitted by a malicious user can disrupt services provided by AI-power wireless networks. The Qualcomm Innovation Fellowship program and an NSF RINGS Award funded the paper.

Daniel Kang research uncovers flaws in ChatGPT/LLM agents that can hack websites

CS professor Daniel Kang and his collaborators at the University of Illinois have discovered that ChatGPT can do far worse than helping students cheat on term papers. Under certain conditions, the generative AI program's developer agent can write personalized phishing emails, sidestep safety measures to assist terrorists in creating weaponry, or even hack into websites without prompting.

Misailovic co-PI on $1.2M NSF award to study NLP test code development

Natural language processing is the field of computer science underpinning the recent boom in chatbot technology. It allows human language to be processed by computers and computational results to be rendered in forms understandable by humans. While its potential uses in nearly all areas of society are frequently discussed, Illinois Computer Science Professor Sasa Misailovic wants to apply it to professional software development. With his collaborators at the University of Texas at Austin, Misailovic is developing natural language models that can process instructions from developers and return ready-to-use test code. They call their approach "NLP4Test."

"We're aiming to improve the practice of software development and testing," Misailovic said. "We're looking for how natural language processing can replace time-consuming manual software testing practice and free developers to focus on other tasks."

The award of $1.2 million is provided through the National Science Foundation's Software and Hardware Foundations program and will be distributed over four years. Misailovic is a co-principal investigator.

Samsung, Sandia grants bring Ghose closer to processing-in-memory advancements

Illinois CS professor Saugata Ghose believes new research opportunities will take his research interest in data-centric computer architectures and systems to the next level through industry-backed products.

Nearly ten years ago Ghose, Illinois Computer Science professor Saugata Ghose began honing a research interest during his postdoctoral experience at Carnegie Mellon University that featured adding intelligence to computer memories and storage, particularly delving into the concept of processing-in-memory (PIM).

Now, he is on the precipice of new possibilities for easy-to-program, practical PIM hardware. He has recently secured significant funding to continue his research. He has earned a five-year, $1 million grant from Samsung, with funds supported by the Samsung Memory Solutions Lab. Additionally, he has won a three-year, $273,000 grant with Sandia National Laboratories.

$1.7M NIH grant bioengineering research team for new computational tools

A research team including bioengineering professors Frank Brooks and Hua Li, computer science professor David Forsyth and Bioengineering Department Head Mark Anastasio has been awarded a $1.7 million grant from the National Institutes of Health (NIH) for a project that will estimate the optimal task performance of medical imaging systems. The technologies that the team plans to develop will facilitate the design and refinement of better medical imaging systems overall. They plan to create deep learning-based tools that will allow imaging technology developers to have surrogates of image quality measures early on in the system design process. Ideally, this will allow for more streamlined, usable feedback early in the technology development phase, rather than relying as heavily on human assessors and radiologists after physical prototypes have been constructed.

Hauser $1.2M grant to expand and refine robotic eye examination system

A collaboration between researchers at the University of Illinois Urbana-Champaign and Duke University has developed a robotic eye examination system, and the National Institutes of Health has awarded the researchers $1.2 million to expand and refine the system.

“Instead of having to spend time in a doctor’s office going through the manual steps of routine examinations, a robotic system can do this automatically,” said Kris Hauser, a U. of I. computer science professor and the study’s principal investigator. “This would mean faster and more widespread screening leading to better health outcomes for more people. But to achieve this, we need to develop safer and more reliable controls, and this award allows us to do just that.”

Simplifying complex causal reasoning for the user

“I believe that the ultimate goal of computer science research isn’t just about devising faster algorithms or more efficient computational methods. It finds its purpose when we design computer systems and user interfaces to empower individuals.” That is how CS Professor Yongjoo Park described the philosophy motivating his research. Park is the principal investigator, alongside co-PI and CS Professor Hari Sundaram, on a research project that received a four-year, $1.2M National Science Foundation (NSF) grant. Park and Sundaram aim to create and construct a “scalable, CAusal-RElational (CARE) data system for end-to-end causal data exploration based on a core insight that for effective causal exploration, the system must be designed to let users experience causality by allowing explicit, real-time interventions with causal data modeling, do-calculus querying, and intervention-centric visualization.”

NSF awards team $2M to develop faster and more efficient semiconductors

The National Science Foundation has awarded a team, including University of Illinois Urbana-Champaign CS Professor and Co-Principal Investigator Saugata Ghose, a 3-year, $2M grant under the FuSe-Future of Semiconductors program. The team includes Co-Principal Investigators Shaloo Rakheja from the Illinois Micro and Nanotechnology Laboratory, Curtis Shoaf of Illinois Physics and Parkland College, and Amit Trivedi from the AEON Lab at the University of Illinois Chicago (UIC). The grant is part of the $45M NSF program to “enable rapid progress in new semiconductor technologies and manufacturing as well as workforce development.”

Grainger engineers investigators in 2024 MURIs

Five researchers in the University of Illinois Urbana-Champaign Grainger College of Engineering are participating in four 2024 Multi-University Research Initiatives, or MURIs, sponsored by the U.S. Department of Defense. These initiatives fund teams of investigators spanning multiple institutions of higher education as they conduct basic, interdisciplinary research on critical topics.

Computer science professor Edgar Solomonik is a co-principal investigator on the project titled “Tensor Approaches for Simulating Kinetic Systems” led by the University of Delaware. Problems such as the kinetics of and particle distributions in nonequilibrium plasmas require solving partial differential equations in very high dimensions, and standard simulation techniques have proven inadequate. The research team will study these problems using the tensor network approximation that promises to greatly reduce the computational cost of studying high-dimensional objects. Although nonequilibrium plasmas are the inspiration for this work, the tools developed will extend into multiple problems of interest to the Defense Department.

CS Professor Hanghang Tong describes using the graph algorithm to understand human behavior in the online world and how people interact with each other on some social media platform; the other is the physical world and how people engage in various activities and interact. This research interests links to three collaborative projects he is involved in, such as Using the graph algorithm to understand behavior in two worlds. His involvement in these groups has resulted in a Multidisciplinary University Research Initiative (MUR) grant from the U.S. Air Force, a National Science Foundation grant, and a Visa Faculty Award.

Tianyin Xu and team develop a "push button" for testing cloud systems

Introducing Acto (Automatic, Continuous Testing for (Kubernetes/ OpenShift) Operators), an initiative from the Grainger College of Engineering IBM-IL Discovery Accelerator Institute (IIDAI). The project could revolutionize cloud system testing with its innovative use of automatic end-to-end testing techniques. Principal Investigator CDS professor Tianyin Xu succinctly described Acto as a "push button": a fully automatic end-to-end testing tool designed to test across large-scale industrial systems.

NSF Expeditions-funded project building intelligent & self-adaptive operating system

“Whenever we use a laptop or even a phone, underneath the hood, an operating system is running everything – allowing a plethora of applications to dynamically share a system, and managing memory, compute, and network communication resources,” said the University of Illinois Urbana-Champaign professor Brighten Godfrey. “Today, that happens mostly through manually-written heuristic policies, but this is becoming difficult with complex applications running in complex environments, like compute clouds and robots. Could an intelligent and self-adaptive operating system do better?” This is the crux of a ground-up effort to build a new way of operating systems for computers.

Godfrey and CS colleague Gang Wang are principal investigators in a five-year, $12 million research project funded by the NSF that aims to harness artificial intelligence to boost the performance and energy efficiency of computer operating systems.

Siebel School of Computing and Data Science *by the numbers*

130+
World Class Faculty

17
New Faculty Members

COMPUTER SCIENCE PROGRAM RANKINGS

#5
Computer Science **Undergraduate** and **Graduate** Ranking
U.S. News & World Report

GRADUATE SPECIALTY PROGRAM RANKINGS

- **#5** Artificial Intelligence
- **#3** Programming Language
- **#4** Systems
- **#5** Theory

***15,497* GRAINGER ENGINEERING COMPUTER SCIENCE DEGREES CONFERRED TO 14,788 ALUMNI**

BS **8,507**	iCAN **23**	MS* **5,262**	PhD **1,705**

**Includes our legacy online program and the Online MCS and MCS-DS offered through Coursera*

DEPTH & BREADTH
FACULTY BY RESEARCH AREA
(Counts recognize faculty doing research across multiple areas.)

Architecture, Compilers, and Parallel Computing	16
Artificial Intelligence	31
Bioinformatics and Computational Biology	12
Computers and Education	23
Data and Information Systems	15
Interactive Computing	12
Programming Languages, Formal Methods, and Software Engineering	19
Scientific Computing	11
Security and Privacy	16
Systems and Networking	19
Theory and Algorithms	18
New CS Instructional Area	24

FINANCIAL STRENGTHS

Investments from the State of Illinois and philanthropic support from individual donors and corporate partners enable the Siebel School to fund student scholarships, fellowships and awards; faculty chairs and professorships; and fulfill our land-grant mission through innovative teaching and cutting-edge research.

STATE OF ILLINOIS SUPPORT – FY23
$36.5M

RESEARCH EXPENDITURES – FY 23
$35.5M

ENDOWMENT MARKET VALUE
$24.4M

NEW GIFTS & COMMITMENTS
$13.3M

Siebel School Enrollments » Fall 2023

As digital technology continues to reshape society, a deep understanding of computer science and data science has become an essential part of a modern education. The University of Illinois Urbana-Champaign offers groundbreaking pathways through numerous colleges on campus to empower the next generation of tech-savvy leaders. Alongside its top-ranked computer science degree within The Grainger College of Engineering, Illinois offers two transformative blended degree programs—CS + X and X + Data Science. These interdisciplinary options fuse a robust foundation in computing and data science with specialized training in the arts, sciences, or professional fields, preparing students to excel in an increasingly interconnected and data-driven world.

Undergraduate Enrollments in Grainger Engineering Computer Science and CS + X Blended Degree Programs

Degree	Fall 2023
BS in CS from The Grainger College of Engineering	1378
CS + Advertising	71
CS + Animal Sciences	6
CS + Anthropology	26
CS + Astronomy	47
CS + Chemistry	24
CS + Crop Sciences	22
CS + Economics	200
CS + Education	21
CS + Geography & Geographic Information Science	16
CS + Linguistics	100
CS + Music	30
CS + Philosophy	87
Mathematics & CS	270
Statistics & CS	304
TOTAL	**2,602**

Undergraduate Enrollments in CS + Data Science Blended Degree Programs

Degree	Fall 2023
Accountancy + Data Science	37
Astronomy + Data Science	14
Business + Data Science	1
Finance + Data Science	66
Information Sciences + Data Science	155
TOTAL	**273**

Graduate Enrollments in Grainger Engineering Computer Science Degree Programs

Degree	Fall 2023
On-Campus MCS	678
Online MCS and MCS-DS	1,337
MS in Bioinformatics	6
MS in Computer Science	131
PhD in Computer Science	524
iCAN	30
Non-degree	10
TOTAL	**2,716**

Sarita Adve was elected AAAS Fellow. **Nancy Amato** was elected to the American Academy of Arts & Sciences and won the inaugural MassRobotics Medal. **Sheldon Jacobson** won the INFORMS President's award. **Nan Jiang** received a prestigious early-career award from the Alfred P. Sloan Foundation: a 2024 Sloan Research Fellowship. **David Kuck** was awarded the IEEE Frances E. Allen medal. **Talia Ringer** received a Distinguished Service Award from ACM SIGPLAN. **Tandy Warnow** was chosen for an International Society for Computational Biology Senior Scientist Accomplishment award.

Corporate & Government

Research Awards

Whether they come from professional associations, government, or business, the accolades given to CS faculty underline the ***school's leading role in the field.***

Saugata Ghose
Professor

Recognized with a Rising Star Faculty Award for his innovative research in redesigning computer hardware to process data efficiently.

Talia Ringer
Professor

Won a DARPA Young Faculty award for using insights from programming languages to build ML tools to discover and apply semantic relations between datatype.

Hanghang Tong
Associate professor

Amazon Research award for personalized recommendation in Prime Video.




From left to right: **Nan Jiang, Dakshita Khurana, Yupeng Zhang** and **Hang Zhao** were named Google Research Scholars.

Computer Science research and the contributions of CS faculty have long-lasting impact, as attested to by our peers in academia and industry.

CS professor Darko Marinov

and three former students were recognized in the 2024 FSE Test of Time Awards. Their 2014 paper "An empirical analysis of flaky tests" was cited "for conducting a rigorous empirical study analyzing non-deterministic outcomes of regression tests due to flaky tests." It was the first study of its kind to look in detail at commits that likely fix flaky tests in open-source projects.

CS professor emeritus Laxmikant (Sanjay) Kale

received the 2024 ACM Achievement Award in High Performance Distributed Computing "For pioneering development of task-based adaptive parallel programming models and runtime systems, leading to a new category of highly scalable scientific applications."

"Lessons learned from the analysis of system failures at Peta scale: The case of Blue Waters," a paper published 10+ years ago by CS professor William Kramer, CS alum Lelio Di Martino, CS affiliate professor Ravishankar K. Iyer, and three others, won the 2024 DSN Test-of-Time Award from IEEE/IFIP.

NSF CAREER *awards*

The CAREER Program is one of NSF's most prestigious awards. It supports early-career faculty who have the potential to serve as academic role models in research and education.

NSF Career Award Winners *(top left to right)* Ramnatthan Alagappan, Aishwarya Ganesan, Charith Mendis and Shenlong Wang

Innovating Education

From the creation of PLATO to the present, CS faculty have devoted their time and efforts to enhancing the educational experience of our students by applying technological breakthroughs to instruction on campus and beyond. CS professors are combining their efforts with peers and building new vehicles for teaching computing and data science that build on the Illinois tradition of innovative education.

Wade Fagen-Ulmschneider and Karle Flanagan do data science workshop for Chicago public schools curriculum designers

The U.S. Bureau of Labor Statistics recently projected that employment of data scientists will grow by 36% from 2021 to 2031, suggesting a need to attract many young people to the field. Fagen-Ulmschneider, a CS professor, and Karle Flanagan, a Statistics professor, answered that call by building a web presence called DISCOVERY. The site makes the substance of Illinois' STAT/CS/IS 107 course available for free introductory data so that anyone with a smartphone can use it as a point of entry to the field. The site is designed to raise awareness of Illinois's world-class data science offerings. The duo also presented an intensive workshop on data science to nearly 20 Chicago Public Schools curriculum designers. The curriculum developers who attended responded to a post-event survey: "The feedback was extremely positive."

Illinois-led $5.8 million DARPA project to advance conceptual learning

CS professor Heng Ji will lead a multi-university, interdisciplinary team that includes fellow CS professors Derek Hoiem, Karrie Karahalios, and Camille Cobb to develop MIRACLE: Multimodal InteRActive Conceptual Learning.

After years of research focused on NLP within A, she has become a trusted source to answer some of the most relevant questions about the proper development and application of natural language processing. Ji aims to implement a new concept learning framework for her next project. She will do so as lead investigator for a new three-year grant worth $5.8 million from DARPA's Environment-driven Conceptual Learning (ECOLE) program. Ji has formed a research team to develop MIRACLE and discover "comprehensive, global-scale schemata of objects and events for open-world recognition of images and videos.

CS professor Lewis part of NSF-funded research analyzing CS education policy

The team will conduct an analysis of specific data sets to determine the effectiveness of state policies aimed at increasing participation in CS education. Specifically, the project will analyze the success of policies intended to increase enrollment in high school and undergraduate CS courses and on the production of certified CS high school teachers. The analysis will also include state-level demographic, social, and economic markers to help determine potential barriers to access in CS education and teacher certification.

Broadening Participation in Computing

The school seeks to inspire all voices, imagine the future, and invest in the next generation of computing leaders and professionals. We aim to make computing accessible for people from all backgrounds at all levels.

CS professor Daniel Kang volunteers at Ethiopian summer coding program

CS professor Daniel Kang organizes and lectures at AddisCoder, a free, intensive four-week summer program in Addis Ababa, Ethiopia, that introduces high school students to programming and algorithms. Illinois CS students lead their own research at Lapis Labs.The student-led academic research group was created to help promote machine learning and artificial intelligence research.

Trick or Research

Trick or Research is the annual event where our researchers share their work with students interested in exploring computing and data science research opportunities.

Entrepreneurship

The University of Illinois Urbana-Champaign and Grainger College of Engineering support fostering an entrepreneurial mindset in students and play a crucial role in translating their ideas into sustainable business ventures.

Cozad New Venture Challenge 2024

Grand Prize-winning team Pathlit is making AI more accessible

Pathlit is a no-code platform built by CS students to empower users with all the tools necessary to easily customize, experiment, and deploy custom-fit generative AI solutions without any deep expertise in tech or AI.

Celebrating Excellence

The annual Celebration of Excellence awards event is a testament to our collective achievement. The event was a lively mix of faculty, staff, students and alumni who were drawn together to recognize how the school fosters “talent and excellence at scale” past, present and future.

Matthew Dierker, Cole Gleason, Nathan Handler, Marrissa Hellesen and **Emily Tran**, who co-founded HackIllinois, shared the 2024 Distinguished Alumni Service Award.

Brett Jones, Kevin Karsch and **Raj Sodhi** founded Lightform after graduation and accepted the 2024 Young Alumni Achievement awards together. For their contributions to the field the Early Career Academic Achievement Alumni Award winner was **Abhinav Bhatele** and the Distinguished Academic Achievement Alumni Award winner was **Alfred C. Weaver**.

Forty-two students were recognized for their academic excellence, teaching, service, and research. Honorees received Bronze Tablet recognition and scholarships, and Illinois CS Student Ambassadors/Research Scholars (CS STARS) members were spotlighted for undergraduate research, recruiting, Mentoring and cohort-building activities.

Students, faculty and alumni had a good time at the annual Celebration of Excellence.

Linda Petzold receives Alumni Award for Distinguished Service from The Grainger College of Engineering

Linda Petzold (BA, Mathematics and CS 1974 and PhD CS 1978) was honored with the Alumni Award for Distinguished Service for her work at Lawrence Livermore National Laboratory, the University of Minnesota, and the University of California, Santa Barbara. She is acclaimed for her research in computational algorithms and public-domain software, for the solution of differential-algebraic equations, and for discrete stochastic simulation.

Michael Parekh wins Apple's Swift Student Challenge

Michael Parekh, a 2024 graduate of CS + Economics from Illinois, is one of 50 distinguished winners of the Swift Student Challenge. 350 winners were selected overall with the distinguished winners being labeled as the “best of the best.” The challenge allows students to showcase their capabilities and creativity by creating an app in only a few weeks. Parekh’s winning submission was an app called “Pink” that takes users through the various steps of CPR and shows them what to do if someone goes into cardiac arrest.

STUDENT AWARD HIGHLIGHTS

Goldwater Scholarship» **Daniel Feng**
4 Undergraduates earn national CRA recognition for research» **Daniel Feng, Jash Parekh, Yanzhen Shen, Ben Kim**
5 Students earn NSF Graduate Research Fellowships» **Felipe Arias, Max Fan, Jaron Mink, Christopher Perdriau, Seth Poulsen**

Graduate Research Fellowships

(top left to right) Shivam Agarwal, Seemandhar Jain, Vidya Kamath Pailodi, Ruizhong Qiu (bottom left to right) Shradha Sehgal, Kung-Hsiang (Steeve) Huang, Ming Zhong, Yinlin Deng

Shivam Agarwal, Seemandhar Jain, Vidya Kamath Pailodi, Ruizhong Qiu and **Shradha Sehgal** were announced as members of the 2024 cohort of Siebel Scholars. The program honored 83 exceptional graduate students from top universities around the world in the fields of bioengineering, business, energy science, and computer science.

Amazon has awarded fellowships to CS Ph.D. candidates **Kung-Hsiang (Steeve) Huang** and **Ming Zhong**, to support their research in conversational AI at the Amazon-Illinois Center on AI for Interactive Conversational Experiences AICE Center. Huang and Zhong are the first two winners of the annual prize.

Yinlin Deng was awarded a Two Sigma PhD Fellowship. Her research lies at the intersection of software engineering and machine learning, and she is currently focused on improving various coding tasks with Large Language Models (LLMs).

Corporate Relations

After Hours

An informal career reception for students and company recruiters to connect, network, and socialize—held on campus and in Chicago.

At this Corporate Connection event, recruiters provide insight into their corporate culture, skills they seek to fill, internships, and job opportunities. Students are encouraged to share their journeys, project accomplishments, and career aspirations with representatives of companies interested in what they have to offer. The setting provides active conversation, discovery and relationship-building for all involved. After Hours is an exclusive benefit for CS-ECE Corporate Connection industry affiliates program members.

Students meet with company recruiters in Chicago at the Corporate Connections: After Hours event.

See digital version »
go.siebelschool.illinois.edu/impact-report

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WE'RE LEADING THE WAY IN AI AND DIGITAL TRANSFORMATION.

Our efforts in research and applications are accelerating discovery and application in language processing, computer vision, machine learning, conversational AI, quantum computing, and more. We're collaborating in blended undergraduate degree programs across campus and creating programs for students, helping form a sense of belonging and purpose. Illinois Computer Science students, faculty, staff and alumni are at the forefront of computing innovation. The creation of the ***Siebel School of Computing and Data Science*** will shape the future of technology building on the university's deep history of computing innovation.

CS + X and X + Data Science Blended Degree Partners

College of Agricultural, Consumer, and Environmental Sciences
College of Education
College of Fine and Applied Arts
College of Liberal Arts & Sciences
College of Media
Gies College of Business
School of Information Sciences
The Grainger College of Engineering

WE SOLVE PROBLEMS FIRST.
NOT FOR THE GLORY,
but for the good.

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The Grainger College of Engineering
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