

WELCOME
TO THE
FALL SEMESTER!

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Department
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Computer Science



DEPARTMENT NEWS BYTES

MESSAGE FROM THE DEPARTMENT CHAIR
Dr. Babak Forouraghi

I am very proud of our department and its contributions to the overall mission of the University. Led by experienced educators, our undergraduate and graduate programs continue to grow and prepare our students for dynamic careers or higher education in the fields of Computer Science and Information Technology.

We are very proud of our 23 Computer Science and Information Technology majors who graduated in spring 2023. The majority of the graduates found employment in computer science or related fields while a few are continuing with their graduate studies in our 4+1 B.S./M.S. Program. We are also very proud that this year we have a large group of talented and highly motivated incoming first-year students, several of whom are in the Honors Program. These students, similar to all before them, will be challenged to complete a rigorous course of study that includes mastering a number of programming languages in courses they take ranging from introductory programming and data structures to software engineering, artificial intelligence, data science, and security-related courses.

Our joint program with the Departments of Mathematics and Decision Science, the new interdisciplinary major in Data Science, will formally launch this fall. A new course entitled *Introduction to Data Science* will be taught by the CS department, followed by its sequel *Advanced Data Science* in spring, 2024. Another new course on transformer-based learning will be added to our course catalog in the new academic year. This course intends to cover topics pertaining to the new wave of machine learning algorithms that can generate text, images, etc. by processing large volumes of data available on the web, e.g., Generative Pre-trained Transformers (GPT).

In closing, we wish our alumni and our current students a great year of productivity and discovery!

We hope you enjoy the new format and design of the department newsletter!

Congratulations to the following Computer Science and Information Technology majors for making the Dean's List!

FALL 2022: **Albert Adamson, Paul Anderson, Jeremie Bastien, Lillie Bennett, Mehjamila Bonny, Caroline Brickley, Jordan Busza, Kasel Carty, Kenny Chau, Daniela Cruz-Perez, Brennan Duff, Aiden Elm, Owen Fabula, Christopher Finan, Aiden Gioangos, Sean Gor, Sarah Groark, Brian Harms, Andrew Kantner, Trevor Lacoste, James Letts, Adrienne Loc, James Mackey, Christopher Nolan, Jillian O'Connell, Luke Overbeck, Joseph Peracchio, Devon Reing, Joshua Remishevsky, Sean Rock, John Salt, Jack Saunders, John Schiele, Deston Willis, Michael Wood, Erin Zahner**

SPRING 2023: **Albert Adamson, Jaden Armstrong, Paul Anderson, Oladipo Bamgbose, Mehjamila Bonny, Jordan Busza, Kenny Chau, Brennan Duff, Aiden Elm, Owen Fabula, Christopher Finan, John Gallagher, Sean Gor, Sarah Groark, Andrew Kantner, Lisa Lam, Adrienne Loc, Luke McGinley, Christopher Nolan, Jullian O'Connell, Luke Overbeck, Joseph Peracchio, Devon, Reing, Sean Rock, Jack Saunders, George Seibert, Destin Willis, Michael Wood, Erin Zahner**

The Inauguration of SJU's 29th President, **Cheryl McConnell, PhD**, will be held in the Hagan Arena on Friday, September 8th. A reception will follow. Classes that begin at 10:00 am and after are cancelled for this event. On Thursday, September 7th, classes that begin between 2:00 pm – 5:00 pm are cancelled for the Mass of the Holy Spirit.

Dr. Nathan Baird, Associate Professor of Biochemistry, has been selected as the interim Dean for the *College of Arts & Sciences*. He previously served as interim Chair of Chemistry & Biochemistry at the University of the Sciences.

2023 UPE Inductees

The *Upsilon Pi Epsilon* Induction Ceremony and Luncheon was held in the Presidents' Lounge on Tuesday, April 25th. Congratulations to the following students:

Jaden Armstrong
Lauren Boyle
Cal Colistra
Owen Fabula
Gabiella Huegel
Andrew Kantner
Amrutha Kappanathazha
Adrienne Loc
Christopher Nolan
Edward Mendez
Joseph Peracchio
Sean Rock
Matthew Shields
John Schiele
Lleyton Winslow



The mission of Upsilon Pi Epsilon is to recognize academic excellence at both undergraduate and graduate levels. Established at Texas A&M University in 1967, UPE is the only existing International Honor Society for the computing and information disciplines.



*"Learn from yesterday, live for today, hope for tomorrow. The important thing is not to stop questioning."
~ Albert Einstein*

DEPARTMENT NEWS BYTES

SJU welcomes transfer and first-year students from **Cabrini University** for the fall semester! Students will benefit from admission guarantee, tuition match, core curriculum transfer, and no graduation delay due to transferring.

Dr. Wei Chang is on sabbatical for the 2023 Fall Semester and will return in Spring, 2024.

We are happy to announce that the following Adjunct Professors are returning for the fall semester: **Ola Ajaj, Ameen Abdul Hai, Muhammad Javed, Brian Jorgage, Vetrivadivel Vel, and Stacy Wolfinger.**

Congratulations to **Matt Shields**, a second-year graduate student, who was awarded a *Master's Teaching Assistant* (MTA) position for the Fall 2023 semester!

The following majors obtained internships over the summer and in fall:

- **Mehjamila Bonny**, *JP Morgan Chase*
- **Chris Hinckley**, *Thomas Jefferson University Hospitals*
- **Gabiella Huegel**, *Subaru of America*
- **Joe Peracchio**, *FIRNA*
- **Tre Seibert**, *TechBLDRS, Inc*
- **Lleyton Winslow**, *SAP STAR Program*

Incoming, first-year Computer Science graduate students are now eligible to receive a **Gelb Scholarship**. This new scholarship incentive will be awarded to one student per academic year.

"Although greed is considered one of the seven deadly sins, it turns out that greedy algorithms often perform quite well."

~Stuart Russell

Congratulations to Dr. Chang for his most recent publications.

- Jie Wu, Chao Song, and Wei Chang, "Crowdsourcing as a Future Collaborative Computing Paradigm", Chapter 1 of *Advances in Mobile Crowdsourcing: From Theory to Practice*, pp. 3-32, Springer Cham, 2023.
- Jianmeng Guo, Huan Zhou, Wei Chang, and Liang Zhao, "Incentive-driven and SAC-based Computation Offloading and Resource Allocation in Vehicle Edge Computing Networks" has been accepted to IEEE international Conference on Computer Communications the Fifth International Workshop on Intelligent Cloud Computing and Networking (INFOCOM ICCN), 2023

CLASS OF 2023 POST-GRADUATION REPORT

Jaden Armstrong - Cyber Security Cloud Consultant at *KPMG US*.
Jeremie Bastien – Application Administrator Intern at *The Bancorp*
Jordan Busza - Software Engineer in the Space Division at *Lockheed Martin*.
Brendan Hannum – Full Stack Java Developer, *Deloitte*
Brian Harms – Full Stack Developer at *Vanguard*, creating Java applications with Spring Boot (backend framework) and Angular
Justin McGee - Associate Solution Consultant at *EvonSys*.
Benjamin Utter - Cyber Broker Intern at *Aon*.
Hao Wu - reports that he is actively seeking employment.

SPRING 2023 GRADUATION AWARD

The *Computer Science Award for Academic Excellence* is awarded to **Brian Harms**. Brian is a Computer Science major and has been on the Dean's List for seven consecutive semesters. Brian's academic achievements include being a member of *Upsilon Pi Epsilon*, the International Society for Computing and Information Disciplines, and a member of *Alpha Sigma Nu*, the Honor Society of Jesuit Colleges and Universities. Brian has also served as a tutor and grader for the Computer Science Department and hosted Open Labs for freshmen. Congratulations, Brian!



ALUMNI NETWORK

Glenn Brunette (B.S. / 1993 & M.S. / 1999)

Earlier this year, Glenn was promoted to the role of Vice President and Chief Architect within Salesforce's Government Cloud Organization. In this role, Glenn leads a team responsible for architecture strategy, governance, and implementation across their fleet of Government Clouds, supporting their U.S. public sector and higher education customers.

Scott Hine (B.S. / 2009)



Scott's daughter, Alexandria Mei Hine, was born in October and she is now nine months old! She loves going on adventures with mommy and daddy. Scott's wife graduated from University of the Sciences - they are both technically Hawk Alumni now. Maybe someday Alexandria will be a Hawk too!

Scott reports she loves tech already – so she may have a future in Computer Science.

Angela Pawlowski (B.S. / 1986 & M.S. / 1989)

Angela has been named a Senior Fellow of Lockheed Martin Corporation, focusing on technology strategy and Autonomy & Crewed/Uncrewed-Teaming. While a student at SJU, Angela was inducted into Upsilon Pi Epsilon, the Computer Science Honor Society.

Evan Pomponio (B.S. / 2021)

Evan is a Full Stack Software Engineer with Comcast's Cybersecurity division. His responsibilities involve the development and maintenance of Comcast's centralized vulnerability management platform called Security Central. Evan enjoys the daily challenges that come with working in a fast-paced, agile environment and takes pride in maintaining and contributing to Comcast's codebase, which consists of nearly half-a-million lines of Java code.

Evan was recently accepted into Penn State's Master's Program in Software Engineering. He is grateful for the "foundational knowledge" learned from the courses taught by Dr. Forouraghi and Dr. Grevera. He also attributes his success to "the wisdom, experience, and blessings I gained during my studies at Saint Joe's."

"I think the success of any school can be measured by the contribution the alumni make to our national file."

~ John F. Kennedy

EYE ON IT



"AI EVERYWHERE"
Forbes Daily
November 21, 2022

"In 2023, artificial intelligence will become real in organizations. No-code AI, with its easy drag-and-drop interfaces, will enable any business to leverage its power to create more intelligent products and services.

We're already seeing this trend in the retail market. Stitch Fix uses AI-enabled algorithms to recommend clothes to its customers that match their sizes and tastes.

Contactless, autonomous shopping and delivery will also be a huge trend for 2023. AI will make it easier for consumers to pay for and receive goods and services.

AI will also augment nearly every job in every business process across industries. More retailers will use AI to manage and automate the complex inventory management processes that happen behind the scenes, so convenience trends like buy-online-pickup-at-curbside (BOPAC), buy-online-pickup-in-store (BOPIS), and buy-online-return-in-store (BORIS), will become standard.

AI will also be the engine behind the newest autonomous delivery initiatives that retailers are piloting and rolling out, and more and more retail workers will need to get used to working alongside machines to do their jobs."

KEEP IN TOUCH!

Please keep in touch. We enjoy receiving your updates! You may use [this form](#) to submit updates or email Dr. Forouraghi at bforoura@sju.edu.





**4+1 B.S./M.S.
in
Computer Science**

Graduate with an undergraduate and graduate degree in five years! Combining programs saves time and money. Through the 4+1 Program, students earn credits toward a Master's Degree in their senior year. For additional information, please contact Dr. Babak Forouraghi. (bforoura@sju.edu)

2023 Fall Calendar

Thursday, August 24

Orientation for new Computer Science Graduate Students

Monday, August 28

Classes begin for 14 week and 1st-half 7-week courses

Monday, September 4

Labor Day / No Classes

Thursday, September 7

Mass of the Holy Spirit & Inaugural Mass, Chapel of St. Joseph

Friday, September 8

Inauguration Ceremony of SJU President Dr. Cheryl McConnell, Hagan Arena

Wednesday, September 20

SJU Fall Career Fair

Thursday, September 21

Virtual Employment Webinar Hosted by Main Line Chamber of Commerce

Wednesday, October 4

Virtual Internship Presentations

Monday, October 16 – Wednesday, October 18

Fall Break (for 14-week courses)

Wednesday, October 25

Virtual Information Session / 4+1 Program: BS/MS in Computer Science

Monday, November 6

Spring Registration Begins

Wednesday, November 22 – Monday, November 27

Thanksgiving Break

Tuesday, December 12

Reading Day

Wednesday, December 13 – Tuesday, December 19

Final Exams

Tuesday, December 19 – Tuesday, January 16

Christmas & Winter Break

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