



University of
Pittsburgh®

Informatics and Networked Systems
School of Computing and Information

You are receiving this email because you are enrolled in the MSIS/MST graduate degree programs within the Department of Informatics and Networked Systems at the School of Computing and Information. Each weekly newsletter will feature important updates on career/academic and job opportunities, department and school events, enrollment guidance and upcoming academic deadlines.



March 27, 2023 through April 7, 2023

Monday: 10am to 11am, available virtually at <https://pitt.zoom.us/j/91954241565>

Tuesday: 2pm to 4pm, available in person in IS Building Room 706

Wednesday: 2pm to 3pm, available virtually at <https://pitt.zoom.us/j/91954241565>

Thursday: 11am to 12pm and 1pm to 2pm, available in person in IS Building Room 706

Friday: 11am to 12pm, available virtually at <https://pitt.zoom.us/j/91954241565>

Announcements

Save the Date:

Professor Daqing He, and the Department of Informatics and Networked Systems (DINS) are pleased to announce that we will be hosting a Celebration Reception for all students graduating from DINS this term. You are more than welcome to bring your family and friends to this casual celebration.

Please join us for two events celebrating Academic Year 2022-2023 graduating students:

School of Computing and Information Spring 2023 Graduate Recognition Ceremony

April 29 | SCI Graduate Recognition Ceremony The Spring 2023 SCI Graduate Recognition Ceremony will be held on-campus from 2 - 4:30 p.m. on the first floor of Lawrence Hall. It will include a formal School-wide ceremony as well as a reception/social hour with light refreshments.

Those who applied to graduate from one or more degree or certificate programs in SCI in Spring 2023 can [RSVP here](#).

Department of Informatics and Networked Systems Reception

Friday, April 28

4:00 p.m.

Information Sciences Building, Room 316

Both undergraduates and graduates of the programs in the Department of Informatics and Networked Systems are welcome. Additional information including RSVP coming soon.

Events

Celebration of Students at Phipps Conservatory

Saturday, April 1 at 11:00 a.m. to 2:00 p.m.

Phipps Conservatory and Botanical Gardens 1 Schenley Drive, Pittsburgh, PA 15213

All SCI students, faculty, and staff are invited to celebrate the excellence of our students with us on Saturday, April 1, from 11:00 am. - 2:00 p.m. at Phipps Conservatory. Lunch will be included, as well as 5th Anniversary giveaway items, and you can tour the Phipps' 5 Senses of Splendor flower show while you are there!

[RSVP here.](#)

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Graduate and Professional Student Appreciation Week

We are always excited to take part in this national initiative calling attention to the contributions, impact and value of graduate and professional students within the campus community. Please join us as we celebrate YOU, your successes, and your many contributions to the University and our community during GPSAW. You can find a full schedule of events here: [Graduate and Professional Student Appreciation Week | Graduate Studies \(pitt.edu\)](#)

Coffee and Campus Connections

Thursday, April 6

9 a.m.-10:30 a.m.

WPU Lower Lounge

Stop by for a bagel and coffee, tea or juice in the William Pitt Lower Lounge from 9 a.m.-10:30 a.m. Stay to get a new professional photo and learn about financial wellness and professional development to support your graduate studies.

- Snap a new professional photo for your LinkedIn profile courtesy of the [Career Center](#), so dress appropriately!
- Janet McLaughlin and Joel Philistin, from the [Center for Financial Education and Wellness](#), will share resources to equip students with the personal finance skills to navigate financial decisions for graduate school and beyond. Items of interest include budgeting, savings, investing and student loan borrowing and repayment.
- Chat about professional development, first-generational students, and fellowship opportunities with Treviene Harris, Meghan Culpepper, and Stephanie Hoogendoorn from the [Graduate Studies team](#).

DINS Seminar Series
Wednesday, April 5, 2023
11 am to 12 noon
Conference Room in 130 North Bellefield Avenue Building
Refreshments will be served!

Sarah Bana, Assistant Professor of Management Science, Chapman University, and Digital Fellow, Stanford



Digital Economy Lab

Abstract: How valuable are various IT skills? How do firms adjust their workforce composition after adopting new technology? Addressing these questions and others on the role of technology in the labor market has been hindered by data limitations. This project explores an innovative approach by transforming the text content of job postings into vector representations, referred to as work2vec.

In the first paper, I apply natural language processing (NLP) techniques to build a model that predicts salaries from the job posting text. This follows the rich tradition in the economics literature of estimating wage premia for various job characteristics by applying hedonic regression. Using an attribution method called integrated gradients, I find that Cloud Computing and System Design and Implementation skills are amongst the most valued IT skills in 2019, while Database Administration and Data Management have more moderate effects.

In the second paper, my co-authors Erik Brynjolfsson, Daniel Rock and Sebastian Steffen and I develop a spatial representation of work using a variational autoencoder (VAE). We use this representation to measure how occupations and the job space as a whole are evolving over time, along with the specific question of machine learning (ML) adoption. We find that firms adopting ML tools significantly alter the composition of job postings towards occupations that appear more complementary to ML tools.

Bio: Sarah Bana is an Assistant Professor of Management Science at Chapman University and a Digital Fellow at the Stanford Digital Economy Lab. Dr. Bana's research focuses on the effect of technology on the labor market. This involves combining novel sources of text data, like job postings and syllabi, with natural language processing methods to develop innovative insights. Her research has been published in outlets such as the Journal of Econometrics, the Journal of Policy Analysis and Management, and Sloan Management Review, and featured by the BBC Business Daily. Dr. Bana's research has been funded by the Russell Sage Foundation. She received her Ph.D. in economics at the University of California, Santa Barbara. Her dissertation received Honorable Mention for the Upjohn Institute's best Ph.D. dissertation on employment-related issues.

Join Zoom Meeting: <https://pitt.zoom.us/j/94544266139>

Career/Academic Opportunities

Advanced Technology Studio Intern 22000002R

Nokia

On-site •

Naperville, IL

Application deadline

April 7, 2023 1:00 AM

Role Description

Position: Advanced Technology Studio Intern

Duration: 10 Weeks

Date: June 6th to August 12th, 2023

Location: Flexible

Come create the technology that helps the world act together

Nokia is committed to innovation and technology leadership across mobile, fixed, and cloud networks. Your career here will have a positive impact on people's lives and will help us build the capabilities needed for a more productive, sustainable, and inclusive world.

We challenge ourselves to create an inclusive way of working where we are open to new ideas, empowered to take risks, and fearless to bring our authentic selves to work.

The team you'll be part of

Cloud and Network Services

As Nokia's growth engine, we create value for communication service providers and enterprise customers by leading the transition to cloud-native software and as-a-service delivery models. Our inclusive team of dreamers, doers and disruptors push the limits from impossible to possible.

Education Recommendations

Currently working towards Bachelor's or master's in computer science with an accredited school in the US.

What you will learn and contribute to

As part of our team, you will:

- Assist in updating the customer experience center
 - Develop new proof of concepts
- Become inversed in a highly skilled team

[Advanced Technology Studio Intern 2200000O2R | Nokia | Handshake \(joinhandshake.com\)](#)

Full Stack Development Engineer Intern 2200000MGC

Nokia

On-site •

New Providence, NJ

Application deadline

April 7, 2023 1:00 AM

Role Description

Position: Full Stack Development Engineer Intern

Duration: 10 Weeks

Date: June 5, 2023, to August 12, 2023

Location: Onsite/Hybrid, Murray Hill, New Jersey

Come create the technology that helps the world act together

Nokia is committed to innovation and technology leadership across mobile, fixed and cloud networks. Your career here will have a positive impact on people's lives and will help us build the capabilities needed for a more productive, sustainable, and inclusive world.

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Education Recommendations

Currently a candidate for Master's or Bachelor's degree in Computer Science, Computer Systems Engineering, Information Science, Cloud Technologies etc. or related field with an accredited school in US.

[\(40\) Full Stack Development Engineer Intern 2200000MGC | Nokia | Handshake \(joinhandshake.com\)](#)

Enrollment Dates

April 4: Graduate Honors Convocation
April 7: Last Day for Fall Term Enrollment Appointments

For those planning on graduating in Spring of 2023 (otherwise known as term 2234 in PeopleSoft), you must apply to graduate to get your diploma (and, of course, successfully complete all appropriate coursework)!

Here is the timeline for Term 2234:

Graduation Application Opens – 10/1/22

Graduation Application Late Fee Begins – 12/1/22

Graduation Application Closes – 4/1/23-DE DEADLINE IS TOMORROW

Final Day for ETD Paperwork & D-Scholarship Upload – 4/24/23

Please be advised that if you have not yet applied to graduate, you will be charged a \$25 late fee. I would also be aware of the ETD Paperwork and D-Scholarship deadline ([Complete Your Thesis or Dissertation | School of Computing and Information | University of Pittsburgh](#)) if you are working on a Master's Thesis.

*******Please be advised, that if you have any questions, you can always reach out to me via the email and phone number below. *******

Regards,

James Petraglia (Pa-trail-ya)