



SONIC Data Science Internship Opportunities Winter 2022

Course Credit:

Research Practicum registration #: 389 (COMM_ST) or
Independent Study registration #: 399-0 (IEMS), 399-0 (CS) or 499-0 (CS)

Duration:

Winter 2022 (possibly extendable to subsequent quarters)

Location:

In person for meetings, Remote otherwise

Organization Overview:

The Science of Networks in Communities (SONIC) research group advances social network theory and methodology through the development of cutting-edge techniques to understand and enable networks in diverse communities. For more information, please visit <http://sonic.northwestern.edu/about>

Internship Opportunities:

SONIC is excited to offer an internship opportunity this quarter.

Details and descriptions for each position are below.

Requirements:

Data Science Internships are open to current undergraduates or graduate students enrolled in an accredited degree-seeking program at Northwestern. Candidates must be able to demonstrate attention to detail, proficient writing/communication skills, analytic thinking, emphasis on deadlines. Many projects require candidates to have at least basic knowledge of programming or statistical software. For project specific requirements and preferences, see descriptions below.

Application Instructions:

To apply, please send your materials to the responsible person listed in the flyers below. For general questions about the internship and the SONIC research group, please contact our lab manager, Arshya Srinivas at arshyasrinivas2021@u.northwestern.edu. Thank you.



RESEARCH OPPORTUNITY: Enterprise Social Media Data Science Intern

Organization Overview:

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Description:

The project aims to understand how communication technologies enable collaboration during the sudden workplace disruption caused by COVID-19. Intern responsibilities include: (1) generate organizational reports by visualizing correlations and drafting strategy recommendations; (2) implement statistical models to understand how relational networks and communication patterns among employees evolve during the pandemic.

Required Qualifications:

This position is open to current undergraduates or graduate students enrolled in an accredited degree-seeking program at Northwestern. Successful candidates typically have an experience with programming languages.

Two required qualifications include:

- 1) Proficient in R and Jupyter notebook
- 2) Interest in communication and relationship networks within organizations

Departments: IEMS, MMSS, COMM_ST, CS

Education level: Undergraduates

Preferred Qualifications:

- 1) Interest in writing research papers.
- 2) Prior experience in social network analysis (e.g., ERGMs, SAOM, ALAAM) is strongly preferred.

Application Instructions:

Please send a resume and brief cover letter describing your interest in the position to Jasmine Wu (yutongwu2024@u.northwestern.edu).