SONIC Data Science Internship Opportunities Spring 2022

Course Credit:
Independent Study registration #: 399-0 (IEMS), 399-0 (CS) or 499-0 (CS)

Duration:
Spring 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 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, and 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 flyer below. For general questions about the internship and the SONIC research group, please contact Dorothea Boyle, at dorothea.boyle@northwestern.edu. Thank you.

SONIC
advancing the
science of networks in communities

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Description:
This project aims to model optimization-based performance metrics for individuals, teams, and teams-of-teams (multi-team systems) from space simulations. Intern responsibilities include:
1) Running python code on a remote computing cluster to analyze data
2) Re-writing / optimize python code for solving optimization problems

Required Qualifications:
This position is open to current undergraduates or graduate students enrolled in an accredited degree-seeking program at Northwestern. Candidates should also have knowledge of Python and AMPL.

Departments: IEMS, CS
Education level: Undergraduates or Graduates

Preferred Qualifications:
1) Interest or knowledge in optimization
2) Experience using command line / Bash
3) Completed IEMS 313 (or knowledge of Linear Programming)

Application Instructions:
Please send a resume and brief cover letter describing your interest in the position to Megan Chan (meganachan15@gmail.com).