

Health Care Engineering Systems Center Data Analytics Group Graduate Student Summer Internship 2017



The University of Illinois Health Care Engineering Systems Center is pleased to announce the Data Analytics Summer Internship Opportunity “Predictive Modeling in Healthcare”. This internship, located at the University of Illinois Urbana-Champaign is a full time summer internship. Our collaborator, OSF Health Care System, is based in Peoria. All interns must be willing to commute every other week for one day to Peoria, IL and possess a valid driver’s license.

Project:

The interns will be working on the analysis and development of predictive models to predict early hospital readmissions. OSF wishes to improve the existing model, and the interns will support in:

- assessing the performance of the existing model
- comparing a variety of models for different patient groups from different cohorts
- developing and implementing the improved model

Skill Base required:

- **Graduate students in Industrial and Enterprise Systems Engineering / Computer science / Bio-engineering** programs with a strong academic record.
- Excel in the following areas: generalized linear models and machine learning.
- Strong programming skills in R, Python, and exposure to SQL.
- Experience with electronic health records or medical records are a plus.
- Should be comfortable with driving every other week to Peoria. A driver’s license is mandatory.
- Should be a self-starter and work effectively in self-directed and proactive manner.

Interested candidates, please send your resume to hcesc@illinois.edu.