Parker Stephen Joncus

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SUMMARY

Seeking a full-time position in Data Analytics. Graduating in May 2019 with B.S. Applied Math and M.S. Data Science.

EDUCATION

2015 – Present **ILLINOIS INSTITUTE OF TECHNOLOGY** Chicago, IL
B.S Applied Mathematics (May 2019)—GPA: 3.72
M.S. Data Science (May 2019)—GPA: 3.87
4-year starter for Illinois Tech Basketball

SKILLS

- Proficient in Microsoft Word, PowerPoint, Excel, and LaTex
- Proficient in Matlab, R, Python, QGIS, Github, Sourcetree, and SQL
- Familiar with C, Java, Unix, Linux, HTML, SAS, SPSS, Docker, PostreSQL, Go, Azure CycleCloud, Macaulay2, Tensorflow, Horovod, and MPI
- Experienced in social media outlets including Facebook, Twitter, Instagram, and LinkedIn.

RESEARCH

Summer/ Fall 2018 **STUDENT CLUSTER COMPETITION** Chicago, IL
Student Research Assistant
- Set up Linux virtual machines
- Wrote files to automatically tune and run HPL and optimize the configuration
- Used Horovod, a deep learning framework of TensorFlow, to maximize neural network speed
- Set up clusters on Azure CycleCloud to compile and run applications for the competition

Summer 2017 **STUDY OF MONOMIAL IDEALS IN APPLIED ALGEBRA** Chicago, IL
Student Research Assistant
- Wrote and debugged methods that provide statistics of various characteristics of monomial ideals for general users of Macaulay2 to utilize
- Created test cases and documentation for each method to ensure that methods will always work correctly and to give users a reference on how to use the methods
- Created a PowerPoint and poster presentation of the entire project, that was later presented to the Applied Mathematics Department at Illinois Institute of Technology

PROJECT EXPERIENCE

Fall 2018 **AMERICAN RED CROSS FIRE ANALYSIS** Chicago, IL
Interprofessional Project
- Created visualizations for American Red Cross (ARC) to study variable effects
- Reached out to organizations in high risk areas to improve the community outreach of ARC
- Built predictive models to predict the number of incidents in a community of Chicago.

Spring 2018 **CAMPUS SAFETY DATA ANALYSIS PROJECT** Chicago, IL
Data Preparation and Analysis
- Integrated Chicago Police data and weather data with data scraped from IIT public safety blog
- Used machine learning techniques such as Naïve Bayes, Logistic Regression, Decision Tress, and Random Forests to predict the probability of a crime happening in a location
- Created an application with Shiny to show the crime hotspots forecast for 1, 3, and 5 days in advance

WORK EXPERIENCE

Fall 2018- Present **ALIGN COMMUNICATIONS, INC.** Chicago, IL
Part-Time Data Center Technician/Intern
- Break down and install servers for transport to new location.