Katie House

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EDUCATION

University of Massachusetts Amherst, Amherst, MA   January 2017 - June 2019 (expected)
Master of Science in Computer Science candidate
    Concentration: Data Science

Harvard Extension School, Cambridge, MA   September - December 2017
    Course: Big Data Analytics   GPA: 4.0

Northeastern University, Boston, MA   May 2017
Bachelor of Science in Industrial Engineering, magna cum laude   GPA: 3.8
    Minor: Business Administration
    Honors: Dean's List (7 semesters), Tau Beta Pi Engineering Honors Society, Student Achievement Award Scholarship
    Awards: 'Most Impactful' Capstone Award, TJX Business Plan Competition Winner

WORK EXPERNEICE

Hasbro, Pawtucket, RI   January - August 2016
Project Engineering Co-op - Playskool Heroes
- Developed a tool with VBA to enhance scheduling and increase project tracking efficiency
- Initiated a process to automatically query business intelligence data for engineering reports
- Led a team of interns to pitch a new product for the Engineering Product Innovation Challenge

Credit Suisse HOLT, New York, NY   January - June 2015
Investment Strategy Co-op
- Recognized for data analytics research in Credit Suisse Corporate Insights capital allocation paper
- Built a back-test loader in SQL and VBA that aggregated and visualized stock performance metrics
- Automated a tool in Excel to generate portfolio review decks for institutional portfolio managers

Johnson & Johnson - DePuy Synthes, Raynham, MA   January - December 2014
Machined Products Support Co-op
- Received Gold (May 2014) and Platinum (Dec 2014) ECORE Awards for process improvement projects
- Led the Six Sigma process to organize 20+ work stations within Machined Products
- Created an Access database for planning, scheduling production orders and tracking backorders

RELEVANT EXPERINECE

Big Data Analytics Final Project – Visualizing Movie Data   December 2017
- Cleaned and analyzed a MovieLens dataset of over 224 MB of data with Apache Spark DataFrames
- Hosted analysis on an Apache Zeppelin Notebook to create dynamic and interactive visualizations

Senior Capstone Multimodal Urban Travel Planning   May 2017
- Sponsored by Ford Motor Company to create a Boston multimodal transportation trip planning tool
- Formulated a travel preferences algorithm with a multi-criteria decision analysis method (TOPSIS)
- Conducted Boston travel planning data analysis with Microsoft Excel and visualization with Tableau

COMPUTER AND LANGUAGE SKILLS

	Proficient in:	*Exposure to:*
Languages:	SQL, Python, VBA, HTML, CSS	JavaScript, R, C++, and Scala
Technologies:	Spark, Tableau, Apache Zeppelin, LINGO, MATLAB	RStudio, Hive, Tensorflow, Neo4j
Operating Systems:	Windows (XP, 7, 8.1, 10), Mac OS X	Linux (Ubuntu, CentOS 7)

ACTIVITIES AND INTERESTS

- Involved in community service and alumni events with Northeastern's Student Alumni Association for 5 years
- Studied abroad in Dublin, Ireland at University College Dublin in the fall of 2015
- Enjoy baking, pouring latte art, and playing the piano