

# Katie House

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## EDUCATION

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**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 EXPERIENCE

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**Hasbro**, Pawtucket, RI January - August 2016  
*Project Engineering Co-op - Playskool Heroes*

- Initiated a process to automatically query business intelligence data for engineering reports
- Developed a tool with VBA to enhance scheduling and increase project tracking efficiency
- 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 EXPERIENCE

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**SheHacks Boston Winner – Audie** January 2018

- Won two awards in the world's largest all-female and non-binary hackathon competing with over 150 teams
- Collaborated in a team of four hackers to create a smart bear that improves hospital experiences for children
- Integrated Google's NLP and Speech APIs, MATLAB, and an Arduino circuit to analyze patient sentiment

**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

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

## ACTIVITIES AND INTERESTS

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- 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