

## EDUCATION

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- **University of Michigan** Ann Arbor, MI  
*BSE in Computer Science (ongoing); GPA: 3.95* Fall 2015 – Spring. 2019
  - **Awards:** Engineering Deans Honor List, University Honors, James B. Angell Scholar

## WORK EXPERIENCE

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- **Bloomberg L.P.** New York City, NY  
*Data Science Intern* 2018 Summer
  - Implemented 20 state-of-the-art active learning query strategies from recent papers in the field
  - Tested strategies against diverse datasets in text classification, sentiment analysis, NER
  - Designed a flexible framework for using active learning for ML teams within Bloomberg
- **Clinic Inc.** Ann Arbor  
*Software Intern* 2017 Summer
  - Developed an automated crowd data collection library through the Amazon MTurk API, was used to collect 10,000 natural language queries for a conversational AI
  - Created tools to detect and visualize topics from natural language queries using unsupervised learning methods - clustering, TfIdf, LDA t-SNE

## RESEARCH PROJECTS

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- **Efficiently Combining Human and Machine Effort on Annotation Tasks** 2017 Summer  
*Research Lead, First author*
  - **Advisor:** Prof. Walter S. Lasecki
  - **Conference:** To be submitted in ACL 2019
  - Led creation of an approach and system for studying text annotation under partially trained NLP systems
- **ML Feedback: Communication channels between humans and machines for finding unknown unknowns** 2018 Spring - current  
*Research Lead, First author*
  - **Advisor:** Prof. Walter S. Lasecki and Dr. Ece Kamar (Microsoft Research)
  - **Conference:** To be submitted in IJCAI 2019
  - Created novel method for leveraging human beat the machine input for finding unknown unknowns.
- **Uncertainty and Diversity Tradeoffs for Active Learning in Large Scale Classification Problems** 2018 Fall - current  
*Research Lead, First author*
  - **Advisor:** Prof. Walter S. Lasecki
  - **Collaborators:** Dr. Christoph Kofler, Dr. Wooyoung Lee, Dr. Anju Kambadur of Bloomberg Data Science
  - **Conference:** TBD
  - Leading a team of 4 undergraduates, leading project direction

## TEACHING EXPERIENCE

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- **University of Michigan** Ann Arbor  
*Teaching Assistant* 2017 Fall - Present
  - **Operating Systems (2017):** Led discussion of 20 students. Held weekly office hours helping students complete class projects.  
Final instructor ratings: Top 25% in overall instruction effectiveness
  - **Artificial Intelligence (2018, current):** Led discussion of 20 students. Held weekly office hours helping students complete class projects.