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## VIVIAN LAI

- summary** I study how to empower humans to make better decisions with machine's assistance. More broadly, I am interested in human-computer interaction, natural language processing and machine learning.
- education** Ph.D. student, Computer Science, University of Colorado Boulder, 2018 - present  
M.S., Computer Science, University of Colorado Boulder, 2018  
B.S. Information Systems, Cum Laude, Singapore Management University, 2015
- publications** **Vivian Lai** and Chenhao Tan "On Human Predictions with Explanations and Predictions of Machine Learning Models: A Case Study on Deception Detection." *ACM FAT\* 2019*  
Antonette Shibani, Elizabeth Koh, **Vivian Lai**, Kyong Jin Shim "Assessing the Language of Chat for Teamwork Dialogue." *International Forum of Educational Technology & Society (April 2017)*.  
Maruthi Prithivirajan, **Vivian Lai**, Kyong Jin Shim, Koo Ping Shung "Analysis of star ratings in consumer reviews: A case study of Yelp." *IEEE BigData 2016*  
**Vivian Lai**, Kyong Jin Shim, Richard J Oentaryo, Philips K Prasetyo, Casey Vu, Ee-Peng Lim, David Lo "CareerMapper: An Automated Resume Evaluation Tool." *IEEE BigData 2015*
- experiences** **Research experience**  
Research assistant, University of Colorado, Fall 2018 - present  
Advisor: [Chenhao Tan](#)  
Description: Using deception detection as a test bed, investigated how harnessing explanations and predictions of machine learning models can improve human performance while retaining human agency.  
  
Research assistant, University of Colorado, Spring 2017  
Advisor: [Elizabeth Bradley](#)  
Description: Maintained CSciBox software and assisted in CSciBox AI implementation.  
  
Research engineer, Singapore Management University, Fall 2015 - Fall 2016  
Advisors: [Kyong Jin Shim](#), [Ee-Peng Lim](#)  
Description: Led development, implemented and deployed two web-based Job Analytics project applications. Built and maintained web crawlers that collect and

store Singapore government directory information. Analyzed data from Singapore government agency, Workforce Development Agency.

### **Teaching experience**

Teaching assistant, [CSCI3308 Software Development Methods and Tools](#), University of Colorado Boulder, Spring 2018

Teaching assistant, [IS102 Computer as an Analysis Tool](#), Singapore Management University, Spring 2015

Teaching assistant, [IS434 Social Analytics & Applications](#), Singapore Management University, Fall 2014

### **Industry experience**

Engineering Intern, Oracle, CO, Summer 2017

Description: Created migration connector to assist in metadata migration plans and an anomaly detector system.

### **honors & awards**

Computer Science Department Travel Grant Spring 2019

Beverly Sears Graduate Student Grant 2018

Dean's List Academic Year 2014/2015

Standard Chartered Bank i-Lab Young Star Award 2013