

# Ashley G. Zhang

+1-734-934-1260  
gezh@umich.edu  
github.com/AshleyZG  
gezhangrp.com

## EDUCATION

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### Peking University

*B.S. in Intelligence Science*

2016.09-2021.07

### University of Michigan, Ann Arbor

*Ph.D. in Information Science*

2021.09-present

Advisor: Steve Oney

## PUBLICATIONS

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1. Mike Merrill, **Ashley G. Zhang** and Tim Althoff  
Mining Collective Data Science Knowledge from Code on the Web to Suggest Alternative Data Analysis Approaches  
SIGKDD, 2021
2. **Ashley G. Zhang**, Mike Merrill\*, Yang Liu, Jeffrey Heer, Tim Althof  
CORAL: Code RepresentAtion Learning with Weakly-Supervised Transformers for Analyzing Data Analysis  
EPJ Data Science, 2022

## EXPERIENCE

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### University of Michigan, Ann Arbor

*Graduate student and researcher*

MI, United States

2021.09-present

Advised by Prof. Steve Oney, University of Michigan, Ann Arbor

Designed and developed tools to support effective communication about code.

### University of Washington, Seattle

*Remote visiting student*

WA, United States

2020.07-2021.023

Advised by Prof. Amy X. Zhang, University of Washington, Seattle

Designed a computational notebook branching tool to support data science collaboration.

### University of Washington, Seattle

*Visiting student*

WA, United States

2019.09-2019.12

Advised by Prof. Tim Althoff, University of Washington, Seattle

Built a machine learning model to analyze data analysis behavior extracted from computational notebooks.

Built a machine learning model to support decision making and alternative suggestion in multiverse analysis for robust data science.

### Peking University

*Researcher*

Beijing, China

2020.09-2021.05

Advised by Prof. Tao Xie, Peking University

## OPEN-SOURCED PROJECTS

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- CORAL: COde Representation Learning for Analyzing Data Analysis  
<https://github.com/behavioral-data/CORAL>  
Autumn, 2019

## COMPETITIONS

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- 2nd Prize of ACM Competition, Peking University, 2017
- People's Choice Prize, Google Girls' Hackathon (as team leader), 2019