

# Cole Polychronis

PHD IN HUMAN-CENTERED COMPUTING · UNIVERSITY OF UTAH

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## Education

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### University of Utah

PHD IN HUMAN COMPUTER INTERACTION

- Advised by Dr. Miriah Meyer

*Salt Lake City, UT*

*Aug. 2019 - Present*

### Westminster College

B.S. IN COMPUTER SCIENCE & MATHEMATICS

- Graduated Summa Cum Laude
- Westminster College Dean's List

*Salt Lake City, UT*

*Aug. 2015 - May. 2019*

## Honors & Awards

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**2019** Westminster College Quantitative Analysis and Research Cooperative Award for Best Use of Statistics

**2016** Inducted into Alpha Chi National College Honor Society

## Writing

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### A Friday Filled with Joy

WRITER AND RESEARCHER

- Coauthored a book analyzing the unique business culture of Menlo Innovations (Ann Arbor, MI). This analysis was facilitated by shadowing and interviewing Menlo employees.

*Center for Innovative Cultures*

*Aug. 2018 - May. 2019*

## Research and Professional Experience

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### Westminster College

UNDERGRADUATE RESEARCH ASSISTANT

- Assisted Dr. Helen Hu in researching the efficacy of a Process Oriented Guided Inquiry Learning (POGIL) approach to introductory computer science classes.
- Analyzed and interpret approximately 15 GB of data related to student performance on learning assessments, efficacy surveys, and teaching materials.
- Developed Python and LaTeX scripts to automate the process of grading PDF student assessments.

*SLC, UT*

*May. 2018 - Aug. 2019*

### Worcester Polytechnic Institute

RESEARCH EXPERIENCE FOR UNDERGRADUATES (REU) RESEARCH ASSISTANT

- Developed a JavaScript Library to collect user interaction data with interactive data visualizations and an R dashboard to visualize and analyze the collected data.
- Performed latency analysis on visualizations of several thousand data points to ensure the program did not have an adverse effect on computer performance.
- Presented the library and the findings gathered from its implementation at the Council for Undergraduate Research (CUR) National Research Symposium in Alexandria, VA.

*Worcester, MA*

*May. 2017 - Aug. 2017*

## Professional Service

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### Honors College Peer Mentor

WESTMINSTER COLLEGE

- Served as a peer mentor in the Westminster Honors College, helping a cohort of 5-6 freshmen adjust to college life and the honors college.
- Facilitated 2 social events to help encourage a sense of community within the entire freshmen Honors College cohort of 65 individuals.

*SLC, UT*

*May. 2016 - May. 2019*

### S-Cubed Peer Mentor

WESTMINSTER COLLEGE

- Served as a one-on-one peer mentor, helping my mentee adjust to college life and provide my experience and advice regarding the pursuit of a major in a STEM field.

*SLC, UT*

*Aug. 2016 - May. 2019*