

Rachel A. Kaczka Jennings

COMPUTER SCIENCE · SOFTWARE ENGINEERING

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Education

Tennessee Technological University

Cookeville, TN

PH.D. IN ENGINEERING WITH A CONCENTRATION IN COMPUTER SCIENCE

Aug. 2017 - Current

Miami University

Oxford, OH

M.S. IN COMPUTER SCIENCE

May. 2016 - May 2017

- 3.70 GPA

Miami University

Oxford, OH

B.S. IN COMPUTER SCIENCE

May. 2012 - May 2016

- 3.72 GPA
- Cum Laude

Research

Graduate Thesis, Miami University

Oxford, OH

VIZSLICE: AN APPROACH FOR UNDERSTANDING SLICING DATA VIA VISUALIZATION

Aug. 2015 - May 2017

- Used D3 to visualize slicing data from srcSlice with a variety of visualization idioms

Undergraduate Research, Miami University

Oxford, OH

CONCENTRATION GAME FOR ANALYSIS OF PRESCHOOL LEARNING

Spring. 2013 - Winter 2015

- Developed a responsive web app for Psychology Department
- Used for finding preschooler learning patterns

Publications

vizSlice: An Approach for Understanding Slicing Data via Visualization

Miami University

Kaczka Jennings, Rachel A

2017

Thesis

[link](#)

vizSlice: Visualizaing Large Scale Software Slices

IEEE

Alomari, Hakam W; Jennings, Rachel A; de Souza, Paulo Virote; Stephan, Matthew; Gannod, Gerald C;

2016

IEEE Working Conference on Software Visualization (VISSOFT), 101-105

[link](#)

Experience

Tennessee Technological University

Cookeville, TN

GRADUATE ASSISTANT

Aug. 2017 - Current

- TA for various computer science courses

Miami University

Oxford, OH

GRADUATE ASSISTANT

Aug. 2015 - May 2017

- TA for various computer science courses
- Developer on various research projects

Miami University

STUDENT APP DEVELOPER

- Android/iOS mobile app development
- Responsive web development

Oxford, OH

Jun. 2013 - Aug. 2015

Volunteer

Girls Who Code Student Org - Miami University

Oxford, OH

VICE PRESIDENT, LEAD INSTRUCTOR, AND CO-FOUNDER

Jan. 2016 - May 2017

- Co-founded a student org and official Girls Who Code Club at Miami University
- Lead instructional days for middle school and high school students
- Responsible for lesson plan design

Languages & Tools

Python	● ● ● ● ○	MySQL	● ● ○ ○ ○	JavaScript	● ● ● ● ○	Java	● ● ● ○ ○
C++	● ● ● ○ ○	HTML	● ● ● ○ ○	Ruby	● ● ○ ○ ○	PHP	● ● ● ○ ○
Eclipse	● ● ● ○ ○	IntelliJ	● ● ● ○ ○	Git	● ● ● ○ ○	Visual Studio	● ● ● ○ ○
Agile	● ● ● ● ●						