RACHEL ANIA JENNINGS

Software Engineer, Computer Scientist, & Programmer

Cookeville, TN 38506

https://rakjennings.gitlab.io/

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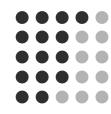
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SKILLS AND TOOLS

Agile
DevOps
CI/CD
Python
Git

Java Terraform AWS/GCP Docker Ansible



EXPERIENCE

Senior Software Engineer **SAIC**

June 2021 - Current

Cookeville, TN

- Managed and maintained infrastructure, k8s clusters, and associated deployments using Terraform and Helm.
- Created and maintained fully automated CI/CD pipelines in GitLab
 CI
- Contributed DevOps expertise to the creation of instructional game content.
- Led and managed a small team of software developers.

Lecturer, Computer Science

Tennessee Technological University

August 2019 - May 2021

Cookeville, TN

- Developed a new introductory DevOps course to be added to the permanent curriculum as CSC 2510 in Fall 2021
- Managed AWS & GCP instances and permissions for student use
- Served as an essential member on CSC Diversity & Inclusion Committee
- Instructed various courses at the undergraduate level
- Developed various course materials and assignments
- Managed various Teaching Assistants

Technical Intern IV

SAIC

May 2019 - August 2019

Cookeville, TN

- Instantiated log collection and analysis tools to be used in a DevOps pipeline
- Worked with Kubernetes and Terraform for deployment of software
- Developed template Java web application with JHipster for use in government contract projects

EDUCATION

Ph.D. in Engineering with a Concentration in Computer Science

Tennessee Technological University

Ongoing

♥ Cookeville, TN

M.Sc. in Computer Science Miami University

2017

Oxford, OH

B.Sc. in Computer Science Miami University

2016

Oxford, OH

CERTIFICATIONS



DevOps Foundation Certificate 2018

PUBLICATIONS

Conference Proceedings

- R. A. Kaczka Jennings and G. Gannod, "Devops preparing students for professional practice," in 2019 IEEE Frontiers in Education Conference (FIE), 2019, pp. 1–5. DOI: 10.1109/FIE43999.2019.9028598.
- G. Gannod, K. Abbott, K. Van Haitsma, N. Martindale, **R. Jennings**, and C. Long, "Using machine learning to facilitate the delivery of person centered care in nursing homes," in *Florida Artificial Intelligence Research Society Conference*, 2018.
- H. W. Alomari, R. A. Jennings, P. V. de Souza, M. Stephan, and G. C. Gannod, "vizSlice: Visualizing Large Scale Software Slices," in 2016 IEEE Working Conference on Software Visualization (VISSOFT), IEEE, Oct. 2016, pp. 101–105. DOI: 10.1109/VISSOFT. 2016.22. [Online]. Available: http://ieeexplore.ieee.org/document/7780165/.

Thesis

R. A. Kaczka Jennings, "vizSlice: An Approach for Understanding Slicing Data via Visualization," M.S. Thesis., 2017. [Online]. Available: http://rave.ohiolink.edu/etdc/view?acc_num=miami1493378579021583.

VOLUNTEER

Instructor & Helper

Software Carpentries

= 2019 - 2021

◆ Cookeville, TN & Online

Project Lead & TA

Governor's School for Emerging Technologies

 June 2018 - 2020

▼ Cookeville, TN & Online

Referee & Judge

First Lego League Competition

February 2018 - Current

◆ Cookeville, TN & Online

Vice President & Lead Instructor

Girls Who Code

a January 2016 - May 2017

Oxford, OH