

RACHEL ANIA JENNINGS

Software Engineer, Computer Scientist, & Programmer

📍 Cookeville, TN 38506

🌐 <https://rakjennings.gitlab.io/>

📧 rakjennings

📧 rakjennings

📧 rakJennings

SKILLS AND TOOLS

HTML, CSS, JS	●●●●●	Java	●●●●●
Agile	●●●●●	Terraform	●●●●●
DevOps	●●●●●	AWS/GCP	●●●●●
CI/CD	●●●●●	Docker	●●●●●
Python	●●●●●	Ansible	●●●●●
Git	●●●●●		

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 (VISOFT)*, IEEE, Oct. 2016, pp. 101-105. DOI: 10.1109/VISOFT.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

📅 January 2016 - May 2017

📍 Oxford, OH