

Asare Nkansah

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Personal Website: <https://asareknkansah.github.io/asare-portfolio/>

EDUCATION

University of Kentucky

Bachelor of Science in Computer Science

Lexington, Kentucky

Aug. 2015 - May 2019

WORK EXPERIENCE

Planview Inc.

DevOps Engineer

Lexington, KY

Nov. 2020 – Now

- Took lead to improve the cloud infrastructure and build process that performs ETL and data visualization by leveraging Terraform, Kubernetes, Helm, and Github Actions' capabilities
- Led international Dev/DevOps team project to integrate MySQL database with Slack chat platform to empower customer facing employees to create their own queries with proper governance
- Handling Linux System Administrative duties to troubleshoot backend issues with product while automating manual tasks/fixes using Ansible and Rundeck

University of Kentucky

Salesforce CRM Integration Engineer

Lexington, KY

Feb. - Nov. 2020

- Developed ETL Python script that increased efficiency by 240%

Technical University of Berlin & Reiner Lemoine Institute

Sustainable Energy Workshop

Berlin, Germany

August 2019

- Presented proposal to potentially help bring a sustainable source of energy to the people of rural Nigeria, the majority of which are currently without a reliable electric power source
- Identified social costs and proposed subsidizing solar home systems to bridge economic gap

Apple Inc.

Enterprise Design Lab

Cupertino, CA

May – Aug. 2019

- Three days in Apple's lab in Cupertino assisting the University of Kentucky design an iOS app focused on student success
- Delivered a presentation focused on the student experience and UK's smart campus initiative to approximately 10,000 students/parents over the course of four weeks

University of Bordeaux

Groupe Chimie Théorique et Modélisation

Talence, France

May 2018 – Aug. 2019

- Modeled simulations that predict charge transport characteristics of phthalocyanine crystals
- Presented research at international conference in Toulouse, France to over 200 attendees
- **Published Research:**
 - "Simulation of the Electronic Properties of Group 14 Phthalocyanine Derivatives" - *International Journal of Biomedical Data Mining '21*

Argonne National Laboratory: US Department of Energy

High-Performance Computing Division

Chicago, IL

May 2017 - Aug. 2017

- Utilized parallel computing to improve the overall efficiency of complex theoretical simulations
- **Published Research:**
 - "Path from Serial Execution to Hybrid Parallelization for Learning HPC" - *SuperCompute '17*

Skills

Technical Tools: Linux System Administrator, Git, Terraform, Docker/Kubernetes, Helm, Python, ReactJS, Datadog, MySQL, AWS Infrastructure, Rundeck, Github Actions

Abilities: High Capacity/Desire to Learn, Gravitates toward Leadership, Public Speaking, Collaborator