Asare Nkansah

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EDUCATION

University of Kentucky   **Lexington, Kentucky**
Bachelor of Science in Computer Science   *Aug. 2015 - May 2019*

WORK EXPERIENCE

Planview Inc.   **Lexington, KY**
DevOps Engineer   *Nov. 2020 – Now*
- Took lead to improve the cloud infrastructure and build process that services product 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   **Lexington, KY**
Salesforce CRM Integration Engineer   *Feb. - Nov. 2020*
- Developed ETL Python script that increased efficiency by 240%

Technical University of Berlin & Reiner Lemoine Institute   **Berlin, Germany**
Sustainable Energy Workshop   *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.   **Cupertino, CA**
Enterprise Design Lab   *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   **Talence, France**
Groupe Chimie Théorique et Modélisation   *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   **Chicago, IL**
High-Performance Computing Division   *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