C. Larraine Mensah

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TECHNICAL SKILLS

- **Programming Languages**: Java, C/C++, Python, SQL, MIPS, PHP, C#, Swift, Node.js
- **DB Management**: MySQL, OracleDB
- **Container Orchestration**: Docker, Kubernetes
- **Cloud Computing**: AWS, GCP, Azure
- **CI/CD**: Jenkins, Splunk, Dynatrace, GitLab

- **Other:**
  - DevOps
  - Automation
  - Web Development
  - Systems Programming
  - High-Performance/Cluster Computing

WORK EXPERIENCE

Mastercard — St. Louis, MO
BizOps Engineer — August 2023 - Present
- Optimize lifecycle of services from inception and design, deployment, then operation and refinement
- Collaborate with a global team to take a holistic approach to problem solving and evolving

CyberArch — Athens, GA
Student Intern — Sept 2022 - May 2023
- Collaborated to help small local organizations gain a culture of information security in order to contribute to stronger cyber infrastructure throughout Georgia

Fast Enterprises — Centennial, CO
Implementation Consultant Intern — May 2022 - Aug 2022
- Assisted with the implementation of Fast Enterprises' GenTax, an integrated tax processing software package, using SQL and Microsoft Visual Basic

Trader Joe's — Athens, GA
Section Leader — Oct 2021 - July 2023
- Shared product knowledge with shoppers in order to create a fun, friendly, and informative shopping experience
- Tracked and observed coffee/tea sales metrics to maintain adequate inventory when ordering new products

Computational Drug Discovery Laboratory — Athens, GA
Undergraduate Research Assistant — Sept 2021 - Dec 2022
- Collaborated to expand upon the functionality of DeepDISE, a computational method developed to predict the location of DNA binding sites
- Implemented a deep learning model using Python and cluster computing to predict the location of RNA binding sites with the goal of understanding their interactions with potential drug candidates

PROJECT EXPERIENCE

Virtual Memory Simulator — Feb 2023 - Mar 2023
- Utilized C to implement virtual memory simulator for a 16-bit machine using paging and page replacement techniques to simulate execution of processes not fully in memory

Multi-threaded Web Server — Feb 2023
- Utilized C to implement a multi-threaded web server using socket programming, thread pools, semaphores, and mutexes in a Linux environment

Auto-Grader for a C++ Program — Feb 2022
- Utilized Python, AWS/Elastic Beanstalk, Docker, Flask, and Linux containers to create a program that will allow for users to upload and auto-grade a C++ program

Grade Tracker — Jan 2022 - Nov 2022
- Utilized Python and SQL to create an application that will allow for multiple users to register, log in, and track averages for both individual grade weight categories and the overall course

Mock E-Commerce Website — Jan 2022 - May 2022
- Collaborated with a group to implement an online bookstore website while following a hybrid waterfall-agile model and using SQL, PHP, JavaScript, HTML, and CSS

Mock Insurance Policy Website — Jan 2022 - Feb 2022
- Utilized Python, AWS, ASP.NET, and SQL to create a website that will allow for users to register and browse health insurance policies

EDUCATION

University of Georgia, School of Computing — Athens, GA
Bachelors of Science in Computer Science
Honors: Dean's List, Rho Xi Zeta Scholarship, HOPE Scholarship

COMMUNITY INVOLVEMENT

Mastercard Cares — St. Louis, MO
Volunteer — Aug 2023 - Present
- Participate in at least 9 hours of community service initiatives through employer every month

Lemonaid — Athens, GA
Member — May 2021 - Jan 2022
- Met weekly to deliver freshly-prepared meals and other essentials to unhoused communities in the local area