

C. Larraine Mensah

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TECHNICAL SKILLS

- **Programming Languages:** Java, Python, C/C++, SQL, MIPS, PHP, C#, Swift, Node.js
- **DB Management:** MySQL, OracleDB, Redis
- **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
SRE/BizOps Engineer August 2023 - Present
- Utilize CI/CD and automation tools to optimize incident detection and response within Mastercard Digital Enablement Services suite
 - 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 build a 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 build 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 allows 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 allows for 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 to build 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 allows 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