C. Larraine Mensah

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TECHNICAL SKILLS

- **Programming Languages**: Java, Python, C/C++, SQL, assembly/MIPS, PHP, C#
- **DB Management**: MySQL, OracleDB, Redis
- **Container Orchestration**: Docker, Kubernetes
- **Cloud Computing**: AWS, GCP, Azure
- **DevOps**: Jenkins, Splunk, Dynatrace, VMWare Aria, Chef
- **Other**: CI/CD, Systems Programming, Web Development

WORK EXPERIENCE

Mastercard — St. Louis, MO
DevOps/BizOps Engineer — August 2023 - Present
- Conduct real-time incident response, diagnosis, and resolution for the Mastercard Digital Enablement Services suite, specifically the tokenization and transaction switching flow (start-to-finish flow of a tap-to-pay transaction)
- Identify and reduce toil by using monitoring and automation tools to enhance incident prevention and mitigation

CyberArch — Athens, GA
Student Intern — Sept 2022 - May 2023
- Consulted with local government agencies and organizations to establish a culture of information security and contribute to stronger cyber infrastructure throughout the state of Georgia
- Leveraged soft skills and cybersecurity best practices to develop fundamental consulting skills

Fast Enterprises — Centennial, CO
Implementation Consultant Intern — May 2022 - Aug 2022
- Implemented an ad-hoc process using SQL and Visual Basic to optimize and organize the internal operations of Fast Enterprises' GenTax, an integrated tax processing software package used by 43 out of 50 state governments

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 with a team of bioinformatics PhD researchers 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 machine learning to predict the location of RNA binding sites with the goal of understanding their interactions with potential pharmaceutical 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
- Led a team in building an online bookstore website while following a hybrid waterfall-agile model and using SQL, PHP, JavaScript, HTML, and CSS

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