

MARIA DOAN

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EDUCATION

University of Oklahoma Computer Science Bachelors of Science <i>Mathematics Minor, Engineering Leadership</i>	Dec 2023 GPA: 4.00
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EXPERIENCE

Paycom SOFTWARE DEVELOPER III <i>C#, PHP, React, SQL</i>	Irving, TX Dec 2024 - Present
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- Contributed to the development of a project automating existing processes and decreasing manual intervention.
- Increased the memory capacity and efficiency of long-running reports tracking client information.
- Took charge of an initiative to increase the data on demo environments to 1.5x the size of the top clients.

Walmart Global Tech SOFTWARE ENGINEER II <i>GoLang, JS/TS, SQL, HTML, Kubernetes, DevOps, Kafka, Linux</i>	Dallas, TX & Bentonville, AR Feb 2024 - Aug 2024
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- Led as SME for a legacy CI/CD tool supporting apps and Helm charts for over 6,000 stores, hosted on Kubernetes.
- Provided biweekly 24-hour support for applications using tools such as Kafka, Kubernetes, and Linux.
- Automated the Change Request process for a legacy CI/CD app which reduced manual steps by 10%.

SOFTWARE ENGINEER II INTERN <i>Java, Spring, Maven, Kubernetes</i>	May 2023 - Aug 2023
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- Spearheaded the development of a Java Spring Boot backend service to automate deployment processes.
- Integrated Microsoft Appcenter and Sauce Labs API calls to complete the application's functionalities.
- Enhanced CI/CD pipelines, reducing manual oversight and accelerating deployment processes.

Ronnie K. Irani Center for the Creation of Economic Wealth SOFTWARE DEV TEAM LEAD <i>AI/ML, Python, Data Management</i>	Norman, OK Aug 2023 - Dec 2023
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- Directed a team in developing an AI/ML-based expiclient selection tool for pharmaceutical use cases.
- Led database design, algorithm development, and early-stage results analysis for the system.

SOFTWARE DEVELOPER INTERN <i>Flutter, Figma</i>	Jan 2023 - May 2023
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- Designed and developed features for Totem's neobanking platform for Indigenous communities using Flutter.
- Collaborated across disciplines to bring Figma prototypes to life in a user-friendly app interface.
- Communicated directly with the client to ensure project success and delivery of exceptional results.

University of Oklahoma UNDERGRADUATE RESEARCH ASSISTANT <i>Machine Learning, HPC, C, Optimization</i>	Norman, OK Aug 2022 – Dec 2023
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- Researched machine learning with a focus on high-performance computing (HPC) and operational optimization.
- Enhanced stencil code efficiency with low-level programming in C, increasing throughput and reducing stalls.
- Analyzed the results of different optimization methods such as broadcasting, reduction, and interleaving.

DATABASE MANAGEMENT SYSTEMS TA <i>SQL, Azure</i>	Aug 2023 – Dec 2023
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- Assisted students with inquiries during office hours, emphasizing database management and SQL skills.
- Created and finalized solutions for assignments, ensuring accuracy and timely feedback to students.

Samsung Austin Semiconductor SOFTWARE ENGINEER INTERN <i>Python, SQL, Oracle</i>	Austin, TX May 2022 - Aug 2022
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- Utilized SQL to troubleshoot database issues and automated ticket closures using common queries.
- Developed a Python web app automating ticket resolutions, achieving a 10x reduction in search time.
- Built a CSV-to-SQL converter, saving 15-20% of time during monthly closing processes.

PROJECTS

Padawan Academy <i>SwiftUI, MongoDB, GPT-3</i>	devpost.com/software/padawan-academy
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- Developed an app with SwiftUI, MongoDB, and GPT-3 for an educational chat bot.
- Awarded Hacklahoma 2023 Best Theme and Best Use of MongoDB, recognizing innovative use of technology.