ANGELES MARIN BATANA

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EDUCATION

Ball State University (3.5 GPA)   **May 2025**

Bachelor of Science in Computer Science
- ◦ Concentration in Data Analytics and Machine Learning

Bachelor of Science in Spanish
- ◦ Concentration in Language, Linguistics, and Culture Studies

Minor in Sociology

EXPERIENCE

Big Data Analytics and Machine Learning Researcher   **Fargo, ND; Santiago, Chile**
North Dakota State University   May. 2024- Jul. 2024
- Developed and implemented a parallelized Bat Algorithm using Apache Spark to optimize data processing across distributed systems, improving computation speed by 40% on average.
- Engineered experiments with datasets ranging from 200 to 2,000 records across multiple cores (1, 8, 14, 28, 56), achieving a 30% speedup in execution time by leveraging Spark's parallel processing capabilities.
- Analyzed the algorithm's performance using key metrics such as speedup and scaleup and provided detailed reports to evaluate the efficiency of the system under different data sizes and core configurations.
- Collaborated with cross-functional teams, demonstrating excellent communication skills by presenting complex technical concepts to non-technical stakeholders.

Junior Project Manager & UX/UI Design   **Muncie, IN**
The Digital Corps   Sept. 2023- Current
- Led cross-functional teams in managing and executing 10+ projects, ensuring successful delivery through effective time management and clear communication, resulting in 100% on-time project completion.
- Coordinated with internal teams and university-wide clients to develop user-centered design solutions, driving digital transformation initiatives and enhancing user experiences.
- Conducted user interviews, created wireframes, and mapped user journeys to deliver comprehensive UX/UI solutions, directly improving client satisfaction
- Effectively managed design projects, meeting deadlines, and delivered meticulous designs for effective marketing campaigns.

IT Operations Intern   **Muncie, IN**
Magna International   May. 2023- Aug. 2023
- Troubleshot and resolved hardware and software issues for 100+ end-users, ensuring 98% customer satisfaction and minimizing downtime across the company.
- Configured and maintained computers running Windows 10, contributing to efficient IT operations and ensuring systems were fully functional.
- Enhanced data analytics capabilities by leveraging QuickBase and PowerBI to analyze and visualize company-wide data, leading to 15% improvement in reporting efficiency.
- Provided technical support by troubleshooting, hardware, and software, and configuring computers ensuring minimal downtime.

Pharmaceutical Chemistry Research Intern   **Indianapolis, IN**
Eli Lilly & Company   Jun. 2021- Aug. 2021
- Assisted team members in designing and developing alternative dosage forms to enable oral delivery of synthetic molecules.
- Met with employees, researcher, and fellow interns to learn about internal effort and pharmaceuticals.
- Analyzed data to assess the feasibility and effectiveness of different dosage forms.
- Conducted literature searches and analyzed information to support drug product development and summarized research efforts with an end-of-program presentation.

Clinical Research Intern   **Virtual**
Indiana University Purdue University Indianapolis   Jul. 2020- Aug. 2020
- Conducted research on anti-VEGF therapies and its implications on diabetic retinopathy treatment with an emphasis on patient care and efficacy with the Indiana University School of Medicine
- Contributed to data analysis with a focus on clinical research methodologies through active collaboration with peers at the national level.
- Presented findings in an end of program presentation, demonstrating my expertise in internal medicine, ophthalmology, and literature reviews.