

LUKE MCDOUGALL

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PROFILE

As a Computer Science major with a track record of developing software solutions in Python, Java, C, and React, I've proven my ability to tackle complex problems and contribute to team objectives. Currently honing my industry skills as a research and development intern at Sandia National Laboratories, my passion for continuous learning and commitment to delivering high-quality results can enhance any technology-driven team.

EMPLOYMENT HISTORY

- ❖ **Research and Development Intern, Sandia National Laboratories** Jan 2023 — Present
Albuquerque
 - Facilitated complex 3D print jobs by designing and implementing a robust G-code parser and writer using Java.
 - Applied innovative computer vision techniques, primarily focusing on edge detection, to drive solution-oriented research.
 - Engaged in continuous research and development efforts in the realm of additive manufacturing, leading to the future publication of two professional research papers.
 - Improved the efficiency and reliability of complex 3D printing tasks through the utilization of computer automation.
- ❖ **Software Engineer Intern, Target** Jun 2023 — Aug 2023
Hybrid
 - Enhanced web UI performance and reliability by developing comprehensive unit and end-to-end testing methodologies using React.js, TypeScript, and Node.js.
 - Architected, built, and deployed a GraphQL Gateway Portal for the internal Target team, significantly elevating overall accessibility.
 - Fortified the back-end framework and boosted system functionality by implementing a GraphQL API utilizing Kotlin, Gradle, and Spring Boot.
 - Streamlined the development and deployment process by leveraging CI/CD tools, ensuring a swift and reliable delivery of features.
- ❖ **Closing Team Leader, Target** Jun 2022 — Jan 2023
Albuquerque
 - Oversaw store closing operations multiple times a week, representing the store director and ensuring operational efficiency.
 - Collaborated with store leaders, providing support and resources to meet business objectives across various departments.
 - Transformed the storefront through the implementation of modernization initiatives, focusing on guest experience and exceptional service delivery.
 - Fostered pride and ownership among General Merchandising Experts and Business Owners, leading to consistently well-stocked and presentable sales areas.
 - Streamlined operations and promoted teamwork by supervising a closing team of 10-15 employees.

EDUCATION

- ❖ **The University of New Mexico** Apr 2020 — May 2024
BS in Computer Science Albuquerque

Currently enrolled in the University of New Mexico's Honors College pursuing a Bachelor of Science in Computer Science. Prior to attending the University of New Mexico, I achieved the AP Scholar Award, awarded by the College Board during the completion of my post-secondary education. An active member of the The Society of Women Engineers. I have completed 107 course credit hours in my three years at UNM while also maintaining an average GPA of 3.5.