

Kha Di Le

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EDUCATION

University of Michigan

BS in Computer Science & Statistics

Ann Arbor, MI

Graduation expected May 2026

- *Relevant Coursework:* Data Structures and Algorithms, Discrete Mathematics, Calculus 1-3, Linear Algebra, Stats Computation

WORK EXPERIENCE

Operations Manager for Complete Events and Events

Signature Certified DJ and Photobooth Host

June 2022 – Present

- Operate high-quality DJ equipment including sound systems and lighting to deliver stunning audio and visuals
- Handle technical issues or unexpected challenges to minimize disruptions during events, showcasing adaptability and problem-solving skills
- Utilized strong public speaking skills to confidently engage crowds of 300-400 guests, creating an inclusive and immersive atmosphere to ensure a memorable experience for all attendees
- Address clients' concerns with a customer-centric approach, increasing clientele by 40% and increased company reviews by 30%

PROJECTS

Network Intrusion Detection System (Michigan Data Science Club)

August 2023 – November 2023

- Spearheading the development of a cutting-edge Network Intrusion Detection System (NIDS) by implementing advanced machine learning techniques to fortify network security
- Leveraging scikit-learn, TensorFlow, and Keras in Python to construct, train, and fine-tune intricate artificial neural networks tailored for precise intrusion detection
- Optimizing and cleansing a raw network dataset comprising over 22,000 intrusions to extract key insights and ensure efficiency up to 98%

Fireboy and Watergirl Copy (2D Platformer)

October 2022 – January 2023

- Implemented multiplayer functionality, core movement and physics mechanics, animations, and inventory system to consolidate basic gameplay and enhance efficiency replicating the online video game "Fireboy and Watergirl"
- Designed 5 immersive levels in Java, each containing complex challenges and objectives, creating diverse environments and improving user experience

Piazza Post Subject Identification (Machine Learning)

December 2023

- Utilizing C++ and natural language processing techniques to create a system capable of categorizing posts based on their subject matter from the EECS 280 Piazza Forum
- Implemented sophisticated algorithms in C++ to extract information from textual data, significantly improving the precision and efficiency of subject identification

LEADERSHIP

Pi Alpha Phi Fraternity Incorporated

Secretary

March 2023 – Present

- Orchestrate and organize weekly meetings, fostering a collaborative environment where all fraternity members actively participate in discussions, address concerns, and generate ideas for fraternity improvement
- Manage a comprehensive calendar of important events, ensuring all members are well-informed of dates and times, improving event attendance by 30%

Programming Chair

December 2022 – March 2022

- Spearheaded the planning of 10+ biweekly events that promoted meaningful connections and friendships within the brotherhood
- Worked closely with other board members to integrate brotherhood initiatives into the overall fraternity agenda, ensuring that the brotherhood remained a central focus of the organization

United Vietnamese Student Organization Midwest (UVSA-MW)

September 2023 – Present

Staff committee of Family Programming for Vietnamese Student Association as One Conference (VIA-1)

(VIA-1, a conference where all Midwest Vietnamese Organizations in the midwest come together; 400+ attendees)

- Led the coordination of over 400 attendees, strategically grouping them into cohesive families while spearheading engaging and transformative events for the VIA-1 conference
- Utilize and incorporated advanced Microsoft Excel skills to efficiently sort and organize families into groups, ensuring a systematic and well-coordinated family programming experience, with sorting efficiency increasing by 200%
- Served as a crucial link between attendees and family leaders during the VIA-1 conference, facilitating effective communication and collaboration within each committee

SKILLS

Skills: C++, R, Java, Python, GitHub, Excel, HTML, CSS, JavaScript

Languages: English, Vietnamese

Tools: Visual Studio Code, XCode, Netbeans