

# Markiece Givens

 [binarygivens](#) |  [markiece-givens](#) |  [markiecegivens.com](#) |

## EDUCATION & CERTIFICATIONS

<b>University of Nevada, Las Vegas</b>	Las Vegas, Nevada
Bachelor of Science, Physics & Bachelor of Arts, Computer Science	May 2024
Master of Science, Computer Science	August 2024 - Present
<b>Amazon Web Services Certification</b>	
Certified Cloud Practitioner	March 2024

## TECHNICAL SKILLS

- **Programming Languages:** C, C++, Python, Java, JavaScript, HTML, CSS, SQL
- **Data Analysis:** Python (NumPy, Pandas, Matplotlib), Tableau, Excel
- **Tools & Technologies:** AWS (S3, CloudFront, Route 53), Node.js, Kubernetes, Git, Jira

## PROJECTS

<b>Portfolio Website (<a href="#">www.markiecegivens.com</a>)</b> — JavaScript, React, HTML, CSS, AWS
<ul style="list-style-type: none"><li>• Designed and developed a personal portfolio website hosted on AWS using React.</li><li>• Showcases personality, technical expertise, and coding skills, serving as a visually engaging showcase for potential employers.</li></ul>
<b>AI In-Terminal Chess Game</b> — C++, Pointers, Dynamic Memory Allocation, Heuristic Search
<ul style="list-style-type: none"><li>• Developed a terminal-based chess game that dynamically manages memory to create and update the chessboard.</li><li>• Integrated AI with heuristic search algorithms to calculate optimal moves, enhancing strategic gameplay.</li></ul>
<b>Autonomous Drone</b> — C++, Python, ROS2, Gazebo
<ul style="list-style-type: none"><li>• Simulated an autonomous UAV in Gazebo, showcasing programming and physics knowledge.</li><li>• Implemented sensor-based navigation and obstacle avoidance, demonstrating real-world problem-solving skills.</li></ul>

## WORK EXPERIENCE

### August Robotics

Robotic Engineer intern	August 2024 - December 2024
<ul style="list-style-type: none"><li>• Conducted ongoing maintenance and troubleshooting on more than 100 exhibition robots, ensuring optimal performance and reliability in a fast-paced workshop environment.</li><li>• Assisted in the deployment of cutting-edge exhibition robots at various venues across the USA and continental North America, coordinating logistics and on-site support.</li><li>• Collaborated with R&amp;D engineers to test and develop new features for the robotic fleet.</li></ul>	

### Zoox

Autonomous Software Tester	July 2022 - August 2024
<ul style="list-style-type: none"><li>• Leveraged Linux to diagnose and resolve lidar, camera and radar problems, reducing downtime by 50% and improving overall system reliability.</li><li>• Conducted software operations to support vehicle functions and mission requirements.</li><li>• Assisted documentation and metrics collection to support operational efficiency and mission tracking.</li><li>• Enhanced the predictive modeling and decision-making process by collecting and responding to precise data.</li><li>• Operated and troubleshooted a fleet of over 200 autonomous vehicles.</li></ul>	

### Clark County Department of Environment and Sustainability

Research Fellow	July 2023 - Dec 2023
<ul style="list-style-type: none"><li>• Utilized Python for data analysis, modeling, and visualization to derive meaningful insights from air quality datasets.</li><li>• Collaborated with cross-functional teams to integrate data analysis results into broader research objectives.</li><li>• Perform rigorous Quality Assurance (QA) on air quality data to increase accuracy and reliability of datasets by 7%.</li></ul>	