

<div> <div>Marvin Uwalaka</div> <div> (780)-394-8290 mcu@ualberta.ca Personal Portfolio LinkedIn </div> </div>	
EDUCATION	
<div> <div>University of Alberta</div> <div> <div>Bachelor of Science, Major in Computing Science</div> <div> <ul style="list-style-type: none"> Relevant Coursework: Algorithms I, Machine Learning I, Software Engineering, Database Management, Reinforcement Learning, Linear Algebra I, Applied Statistics II, Computer Architecture I. Awards: Maple Leaf Excellence Scholarship, Dean Mortensen Student Union Award, Canada Service Corps - Certificate of Recognition. </div> </div> </div>	<div> <div>Expected July 2027</div> <div>Edmonton, AB</div> </div>
EXPERIENCE	
<div> <div>Data Science Research Intern</div> <div> <div>Rehabilitation Robotics Lab</div> <div> <ul style="list-style-type: none"> Processed large-scale biomechanics and motion-sensor datasets using MATLAB for analysis and visualization. Assisted in structured data collection for 25 participants, ensuring consistency and reliability across trials. Contributed to research involving XR technologies, digital health, and intelligent rehabilitation systems. Developed a predictive model achieving 85% accuracy in forecasting rehabilitation outcomes using sensor-derived features. </div> </div> </div>	<div> <div>May 2025 – August 2025</div> <div>Edmonton, AB</div> </div>
<div> <div>Full-Stack Developer</div> <div> <div>Sencelosia</div> <div> <ul style="list-style-type: none"> Generated \$4,000 in revenue and attracted 2,000 site visits, showcasing substantial engagement and impact. Developed a platform for art, food, and nature experiences, connecting artists and the community. Implemented backend features for user submissions and event listings. </div> </div> </div>	<div> <div>March 2023 – August 2023</div> <div>Edmonton, AB</div> </div>
<div> <div>Full-Stack Developer</div> <div> <div>UNIYE Platform (Student-Led Project)</div> <div> <ul style="list-style-type: none"> Implemented interactive social features (likes, comments, upvotes) supporting 500+ users with real-time engagement tracking. Designed personalized “For You” feeds using user interaction signals, increasing content engagement by 30%. Optimized PostgreSQL queries and schema design, reducing average response times by 40%. Built scalable backend services using Node.js and PostgreSQL for authentication, data storage, and access control. </div> </div> </div>	<div> <div>May 2025 – Present</div> <div>Edmonton, AB</div> </div>
PROJECTS	
<div> <div>Apollo Event Lottery Github</div> <div> <ul style="list-style-type: none"> Developed an Android application enabling fair event registration using a lottery-based waiting list system. Supported event creation, QR code check-in, and role-based access for organizers and participants. Designed Firestore schemas to manage 100+ simulated users, events, and real-time enrollment updates. Collaborated in a 4-person agile team using GitHub, UML diagrams, and sprint planning to deliver iterative prototypes. </div> </div>	<div> <div>September 2025 – December 2025</div> </div>
<div> <div>Balance Assessment Github</div> <div> <ul style="list-style-type: none"> Collected synchronized balance data from 25 adults across multiple trials and conditions (eyes open/closed). Assessed agreement between COM and COP metrics using Pearson correlations and Bland–Altman test. Evaluated Kinetisense as a portable alternative for postural stability assessment. Conducted a validity and reliability study comparing Kinetisense motion capture with ForceDeck force plates in static balance tasks. </div> </div>	<div> <div>May 2025 – August 2025</div> </div>
<div> <div>Goal Seeker Github</div> <div> <ul style="list-style-type: none"> Implemented Q-Learning and SARSA algorithms to demonstrate off-policy and on-policy learning behaviors. Modelled an agent navigating a grid-based maze environment to reach a target goal state. Developed an interactive reinforcement learning visualizer and simulator. Designed real-time parameter tuning for learning rate, discount factor, and exploration rate, enabling dynamic observation of convergence and exploration–exploitation trade-offs </div> </div>	<div> <div>October 2025 – present</div> </div>
<div> <div>Personal Website Github</div> <div> <ul style="list-style-type: none"> Launched a personal portfolio website using React and Tailwind CSS, deployed via GitHub Pages, showcasing Data Science and software engineering projects. Featured a combination of technical work, academic projects, and personal interests to give a well-rounded view of experience and approach to problem-solving. </div> </div>	<div> <div>January 2026</div> </div>
SKILLS	
<div> <div>Programming:</div> <div>C, Java, Python, JavaScript, SQL, MATLAB, Kotlin, HTML, CSS</div> </div>	
<div> <div>Tools & Platforms:</div> <div>Git, GitHub, Jupyter Notebook, Postman, Android Studio</div> </div>	
<div> <div>Web & Backend:</div> <div>React.js, Django, Node.js, REST APIs, Firebase Firestore</div> </div>	
<div> <div>Machine Learning:</div> <div>PyTorch, Scikit-learn, NumPy, Pandas, OpenCV</div> </div>	
<div> <div>Databases:</div> <div>PostgreSQL, SQLite, MongoDB, Firebase Firestore</div> </div>	
<div> <div>Spoken Languages:</div> <div>English, Yoruba</div> </div>	