

# Micheal Whitney

## Computer Science Graduate - Aspiring Software Developer

Edmonton, AB

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### Skills & Achievements

Proactive and detail-oriented Computer Science student graduating April 2025 with experience in software engineering. Ambitious and ready to take initiative in learning and adapting to accept any challenge, foster innovation, and build strong professional relationships. I have developed strong skills in coding, debugging, and technical problem-solving, particularly through a two-year internship where I collaborated with cross-functional teams in a fast-paced environment. With a solid academic foundation, including coursework in data structures, algorithms, artificial intelligence, and practical experience in programming languages like Python, JavaScript and C#. I bring theoretical knowledge and practical expertise to software engineering roles. Adaptable and eager to learn, I am prepared to leverage my technical skills and passion for innovation to drive meaningful contributions to your organization.

- Proficient in **Python, JavaScript, Java (Android) and C#**.
- Experience in using **Git/GitHub** for collaboration and version control
- Developed, and deployed a full-stack web application [**React, Node.js, MongoDB, Firebase, SQL**]
- Solid understanding of **data structures, algorithms, and object-oriented programming principles**.
- **Highschool Valedictorian**, Roland Michener Secondary School (2020)
- **Redbull Athlete** (Redbull Campus Clutch 2022, Team Canada)
- Practical and creative **problem-solving skills**, contributing to **innovative and efficient software solutions**.
- Positive and effective **communication skills**, enabling successful collaboration in team environments.
- Eager to learn and apply emerging technologies to solve **real-world problems**.

### Experience

#### Tolko Industries / IT Systems & Support Intern

2020 - 2022

- Troubleshoot hardware, software, and network issues, ensuring rapid and efficient resolutions to minimize downtime.
- Deployed and configured infrastructure projects, including a scalable Raspberry Pi-based remote camera monitoring system.
- Assisted in maintaining and upgrading IT systems, including server configurations and network troubleshooting, contributing to a robust and reliable infrastructure.
- Collaborated with cross-functional teams to resolve technical challenges, emphasizing communication and adaptability in a dynamic environment.

### Education

- University of Alberta — B.Sc. Computer Science (Fall 2020 - Winter 2025)

### Projects

#### Interactive Web Application (ReactJS, NodeJS, Firebase)

- Developed a responsive single-page application to help users learn in-game strategies for a popular video game, focusing on streamlined user experience.
- Designed and implemented dynamic front-end components using ReactJS and integrated them with a NodeJS backend connected to a MongoDB database.
- Deployed the application on Google's Firebase platform, ensuring reliability and scalability.
- Optimized code for performance and streamlined database queries, improving load times and responsiveness.
- Strengthened proficiency in full-stack web development and project deployment

workflows.

### AI Resume Enhancer (JavaScript, OpenAI API, React)

- Developed a web-based application that utilizes AI to provide resume feedback, improve formatting, and optimize content for applicant tracking systems (ATS).
- Integrated the OpenAI API to analyze and enhance resume sections, giving users AI-generated improvements tailored to industry standards.
- Designed an intuitive and responsive user interface using React, ensuring a smooth user experience.
- Implemented backend logic to handle text processing, API requests, etc.
- Strengthened expertise in AI-powered applications, natural language processing, and full-stack development.

### Mobile Event Organizer App (Android Studio, Java)

- Collaborated in a **team of six** to design and develop a mobile application for creating, managing, and attending events, as part of the course capstone project.
- Led team coordination and delegated tasks, ensuring project milestones were met on time while fostering collaboration among group members.
- Developed core features, including event creation with **title, description, images, and date**, with functionality to sign up for these events.
- Implemented a **push notification system** to enable Event Creators to communicate updates to attendees in real-time.
- Integrated admin functionality to moderate content by enabling the deletion of inappropriate events or user profiles.
- Strengthened skills in **software engineering concepts, user role management, and collaborative software engineering**.