

FAHIM KABIR

226-260-7956 kabir33@uwindsor.ca linkedin.com/in/fahim-kabir-357102215/ Windsor ,ON

SUMMARY

Analytical and creative Computer Science Co-op student with experience in large-scale research, digital content creation, and community-focused insight development. Skilled in analyzing trends, evaluating user behavior, and presenting complex ideas clearly. Combines technical research expertise with strong communication and design abilities.

CORE SKILLS

Technical Tools: Python, Pandas, NumPy, PyArrow, Google Colab, GitHub API , Microsoft Excel

Research & Insight Development: Trend analysis, competitive research, behavioral patterns

Creative Tools: Adobe Illustrator, Adobe Photoshop

RELEVANT EXPERIENCE

Academic Intern – Market Research Analyst

Jan 2026 – April 2026

Semper8 International Ltd. | Toronto, ON

- Conducted market and media research related to creator economies, social platforms, and digital content ecosystems.
- Analyzed industry events, sessions, and speaker data to identify trends in media, marketing technology, and digital engagement.
- Organized research outputs using Excel and structured documentation to support internal analysis and decision-making.

Software Engineering Research Project

Sept 2025 – Present

University of Windsor | Windsor, ON

- Analyzed a large dataset (932,000+ entries) to study behavioral patterns, reasoning styles, and engagement trends across 116,000+ digital communities.
- Identified insights by comparing user-generated content, contribution patterns, and system-level interactions.
- Prepared structured summaries, clear reports, and visual explanations for academic audiences.
- Evaluated content quality, responsiveness, and community dynamics, transforming findings into actionable insights.
- Developed documentation and explanation-focused material suitable for training and general audiences.

Graphic Designer

March 2020 – October 2022

PLANLab | Dhaka, Bangladesh

- Created promotional graphics, social media assets, visual branding, and campaign materials.
- Collaborated with teams to align content with strategic messaging and audience expectations.
- Developed visually engaging content to support storytelling, communication, and user engagement.
- Strengthened communication skills through iterative design and feedback integration.

PROJECTS

Car Dealership Website

April 2025 - May 2025

University of Windsor | Windsor, Ontario

Technologies: HTML, CSS, JavaScript

- Developed a fully functional car dealership website, allowing customers to explore a variety of car models, check prices, and customize vehicles.
- Implemented dynamic customization features, including color selection, interior options, and additional packages, with real-time price updates.
- Integrated a user-friendly interface with interactive elements for vehicle selection and customization, enhancing user engagement.
- Utilized JavaScript for seamless real-time price calculations based on user preferences, including color and package choices.
- Ensured mobile responsiveness, offering a consistent user experience across devices and platforms.
- Designed a visually appealing catalog page showcasing cars with high-quality images, detailed specifications, and easy navigation.

3D Crime Investigation Game

April 2025 – May 2025

University of Windsor | Windsor, Ontario

Technologies: Java

- Developed a first-person 3D crime investigation game where players explore a locked room to uncover the identity of a killer by interacting with objects and solving environmental puzzles.
- Implemented object-based interaction using Java3D's Switch, TransformGroup, and PickTool nodes for dynamic state management and positioning.
- Created immersive components like a mail system (with open/close toggling and audio feedback), a glitching TV system (with looping textures and sound), and decorative plant scenes using custom OBJ models and textures.
- Assembled the full environment using hierarchical scene graphs, supporting modular loading and transformation of individual assets like furniture and decorations.
- Programmed user controls for camera movement and rotation using KeyListener, enabling full navigation and interaction in the 3D space.
- Integrated spatial sound effects using JOAL and optimized performance with compiled scene graphs for smooth rendering and responsiveness.

Library Management System

July 2024 - Aug 2024

University of Windsor | Windsor, Ontario

Technology: Java

- Developed a CLI-based library management system using Java, managing users, books, and transactions.
- Implemented functionality for borrowing, returning, and buying books, with inventory automatically updated after each purchase.
- Utilized LinkedList to manage dynamic book collections and user transactions.
- Designed and implemented user account management, including balance updates, profile changes, and account deletion.
- Integrated exception handling to manage edge cases such as insufficient funds or unavailable books.

- Applied object-oriented principles such as inheritance and polymorphism to create flexible and reusable code for user types (e.g., Admin, Consumer).
- Enabled multithreaded operations to handle concurrent book borrowing and return operations.
- Developed a report generation feature, saving inventory and transaction data to text files using Java's I/O.
- Followed clean coding practices and included comprehensive comments for maintainability and clarity.

Integrated Strategy for Textbook Rental and Purchase System

Nov 2024 – Dec 2024

University of Windsor | Windsor, Ontario

- Developed extensive test cases for a university textbook rental and purchase system, focusing on functionality for successful transactions, unavailable textbook handling, and payment error management. Enhanced security to safeguard user financial information through encrypted payment transmissions.
- Conducted system load testing to ensure efficient processing during peak periods, simulating interactions from multiple users simultaneously.
- Designed a user-friendly interface with a landing page for Windsor credential login, dashboard access, language options, and library contact details. Developed a search page to facilitate book discovery, rental management, and requests for unavailable titles.
- Created detailed book information pages for purchasing at list prices or renting at set rates through intuitive dialogs, including sort functionalities to better organize search results.
- Streamlined all interface elements to enhance usability, supporting a seamless user journey from book search to transaction completion.

Interactive Student Portfolio Website

June 2023 – July 2023

University of Windsor | Windsor, Ontario

Technology: HTML

- Designed and developed an interactive HTML-based student portfolio website to introduce my academic and personal background, showcasing web development skills.
- Integrated structured content sections including Home, About, and Citation pages to provide comprehensive information about my academic journey and personal interests.
- Employed HTML lists to organize and display content effectively, using both unordered and ordered lists for the categorization of personal interests and priority items.
- Created a user-friendly navigation interface that includes a “Back To Top” feature, enhancing the website’s accessibility and ease of use.
- Implemented a responsive contact form and configured a university-specific email link (kabor33@uwindsor.ca), enabling seamless communication with site visitors.

Bank Customer and Transaction Management System

July 2024 – Aug 2024

University of Windsor, Windsor, Ontario

Technology: C

- Employed linked lists to manage and navigate through customer and transaction data, facilitating efficient data operations such as insertion and deletion.
- Used pointers extensively to handle connections between nodes in linked lists and to dynamically allocate memory for customer and transaction details.
- Applied dynamic memory allocation to ensure the flexible handling of data as the number of customers and transactions dynamically changes over time.

- Integrated structures for organizing complex data types, including customer details and transaction blocks, enabling structured data management.
- Implemented encryption techniques to secure sensitive data such as passwords, ensuring data privacy and security throughout the system.

MARKET & BUSINESS ANALYSIS EXPERIENCE

Strategic Analysis of Dollarama

Sept 2024 – Dec 2024

University of Windsor | Windsor, ON

- Conducted SWOT, PESTLE, and Porter's Five Forces analyses on Dollarama's market positioning.
- Evaluated competitive environment, consumer behavior, and growth opportunities.
- Prepared actionable recommendations based on industry trends and retail data.
- Strengthened skills in structured market research and strategic insight development.

OTHER SKILLS

- Strong presentation and communication abilities
- Able to simplify complex insights into clear, actionable takeaways
- Experienced in documentation, training-style explanations, and content structuring
- Quick to learn new tools and digital workflows
- Collaborative team member with strong organizational skills