

Tomiwa Adewumi

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EDUCATION

University of Prince Edward Island.

May 2025

Bachelor of Science in Computer science, Minor in Economics

EXPERIENCE

Amazon Canada Fulfillment Services.

May 2023-Aug 2023

Software Dev Engineer Intern

- Implemented a local cache using Google Guava library, reducing data retrieval latency by 20%, and enhancing overall system responsiveness.
- Designed and implemented a distributed cache system using Redis and AWS ElastiCache, improving data access latency and persistence.
- Incorporated metrics tracking in the cache implementation to monitor cache utilization and performance, contributing to data-driven optimization and resource allocation decisions.

University of Prince Edward Island

Jan 2023- May 2023

Teaching Assistant

- Assisted in delivering course content, providing feedback, and evaluating student assessments, reducing grading turnaround time by 1 week.
- Collaborated with instructors to develop course materials, contributing to effective lesson delivery and student engagement.

Projects

Island of Hex | [GitHub](#) | Java

- Developed the backend logic and functionality for a two-player game on a hexagonal board
- Implemented features to determine valid plays, track scores, and detect game-over conditions
- Reduced tile selection lag by 5%

UNBORED | [GitHub](#) | React.js, Next.js, MongoDB, FirebaseAuth

- Developed a web app to find and connect with people who are currently online.
- Implemented user search functionality.
- Enabled private accounts, allowing users to be invisible in the online pool but share their username for connections.

EmergencyRoomFinder | [GitHub](#) | React, Node.js, Express, Google Maps API, Axios

- Built a web app to locate nearby emergency rooms and display wait times
- Integrated Google Maps API for geolocation and real-time distance calculations
- Processed data from ER wait time APIs to recommend the optimal emergency room

UPEI_News | [GitHub](#) | Flutter, Dart, Firebase

- Developed an Android app to display the latest news from the UPEI news feed.
- Implemented functionality for users to store articles for offline reading.
- Enabled users to add public comments, fostering interaction among users, and private comments for personal notes.

TECHNICAL SKILLS

Languages and Frameworks: Java, Python, HTML/CSS, JavaScript [React, Node.js], Flutter, Ruby

Technologies and Services: AWS, Git, MongoDB, SQL, Redis, Docker