

ABBABA TOURE

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Education

<https://abbabat.github.io/MyPortfolio/>

University Of Ottawa

Expected Graduation date: December 2027

Bachelor of Applied Science, Software Engineering (CO-OP)

Ottawa, ON

- Relevant courses: Data Structures and Algorithms, Computer Architecture, Intro Object-Oriented Programming, Intro to Software Engineering, Discrete Mathematics, Digital Systems

Experience

Automation Tester Intern

January 2025 – May 2025

Global Affairs Canada

Ottawa, ON

- Developed and executed different automation tests and regressions using NightWatch.js to test the NEICS web functionalities.
- Set up test environment setups by configuring NightWatch.js to adapt accordingly between DEV locals and QA locals to ensure role-specific test designs, and improving test consistency and early detection of issues.
- Developed multiple XUnit test cases in C# using NSubstitute for dependency injection and mocking.
- Conducted extensive API testing on the NEICS Web API, to ensure functionality, performance, and security.
- Performed database testing on the NEICS database, to verify data integrity and query efficiency
- Worked with ASP.NET Core to integrate and validate backend functionalities.
- Utilized Azure DevOps Server for task management, bug tracking, test case execution, and pull requests.
- Performed deep HTML cleanup for the NEICS Web pages, to ensure HTML files are up to date and consistent.
- Followed Agile methodologies, participating in daily scrums, and sprint planning.
- Reviewed and tested existing Xunit test cases in C#, ensuring 100% success rate and that the application functioned as intended by validating test results even when core logic was refactored.

Web Developer (Part time)

September 2024 – January 2025

Stagence

Montreal, QC

- Worked with colleagues to design and implement the official company website, Stagence.ca, using WordPress, HTML, CSS, and JavaScript to ensure a responsive and visually appealing user experience.
- Applied HTML, CSS, and JavaScript techniques to create custom themes and interactive elements on the website to enhance user experience.
- Closely worked with a team of two developers, leveraging Git for version control to manage project codebases, streamline workflow, and maintain code quality across development cycles.
- Optimized website performance, reducing load times by 30% and ensuring cross-browser compatibility across Chrome, Firefox, and Safari.

Junior Developer Intern

May 2024 – August 2024

University of Ottawa

Ottawa, ON

- Maintained and updated the new ERP system database (Workday) by filtering old data and classifying new data.
- Designed and implemented multiple new dashboards using data from the university help desk.
- Managed tickets in JIRA by categorizing, prioritizing, and transferring existing tickets from TopDesk, optimizing support processes and response efficiency.
- Developed new pages and organized old content on the university's Confluence site using Google Sites, bringing a better user experience.
- Conducted ERP system tests using a proxy setup to simulate user roles and scenarios.
- Structured and organized Workday launch documentation in SharePoint, to facilitate updates across the university's Confluence site.

Projects

Organization application | Java, Android Studio, XML, API (Firebase)

December 2024

- Developed a web application with teammates for my SEG2901 class project using Java, Android Studio, and XML, integrating Firebase as the database backend.
- Designed a role-based system distinguishing between Organizers, Admins, and Attendees, ensuring each role had appropriate permissions.
- Used Firebase to store new registrations and activity data, which is later used for application navigation.
- Implemented core functionalities such as event creation, deletion, and role-based access control to enhance system security and usability.

- Developed a real-time messaging system using a client-server architecture in Java.
- Implemented multi-client connections, allowing multiple users to communicate via a central server.
- Designed administrative functionalities: start/stop server, disconnect/kick clients, and broadcast messages.
- Utilized multi-threading to handle simultaneous client requests efficiently.

- Designed a personal portfolio website using CSS and HTML to showcase some of my work with programming languages such as Python and Java.
- Used JavaScript to optimize the framework for responsiveness across different screen sizes and devices.
- Projects include a functional calculator, a countdown generator, a guessing game, a secure password generator, a PDF combiner, and a YouTube downloader, each demonstrating unique algorithmic approaches.

Technical Skills

Programming Languages: Python, Java, C#, JavaScript, Assembly, Machine coding, XML

Framework: HTML/CSS, WordPress

Testing Framework: XUnit, MSTest, NUnit, NightWatch.js

Tools & platforms: Visual Studio Code, IntelliJ IDEA, Android Studio, Azure DevOps Server, ASP.NET Core, Atlassian Suite: Jira, Confluence, Trello, TopDesk, PIXLR, Adobe Photoshop

Version Control: Git (GitHub and GitLab)

MethodologiesAgile, Unit Testing, API Testing, Database Testing

Microsoft Office 365 Word, Excel, PowerPoint, Outlook, Teams, SharePoint , PowerApps

Soft Skills: Leadership, Multitasking, Time Management, Problem Solving, Effective Communication, Strong Attention to Detail, Thrives in collaborative environments, works effectively in fast-paced settings, bilingual (English & French).