# Jaya Lohana

jayalohana.com | jaya.lohana24@gmail.com | linkedin.com/in/jayalohana | github.com/jayalohana

## EDUCATION

**York University**                                                                                     **Toronto, ON**
*Bachelor of Arts in Computer Science*                                        *January 2022 – April 2026*

## TECHNICAL SKILLS

**Languages:** Java, Python, JavaScript, TypeScript
**Frameworks:** React, Node.js, Next.js, Redux, Tailwind CSS, Material-UI, Apollo Client, Quill
**Tools:** Bootstrap, pyGame, Git, GitHub, JUnit, Figma, GraphQL, MongoDB, Socket.io, REST APIs

## EXPERIENCE

**Quality Assurance Analyst**                                               **April 2024 – August 2024**
*Transformers Academy*                                                                          *Toronto, ON*
- Led the deployment of automated testing tools using **Selenium** and **Python**, streamlining content validation processes and reducing manual testing time by **40%**, while enhancing overall content accuracy.
- Implemented a feedback integration system using **JavaScript**, **React.js**, and **Node.js**, capturing real-time user interactions and providing critical insights, leading to a **25%** improvement in user satisfaction scores.

**Software Developer Intern**                                               **April 2023 – August 2023**
*GAOtek Inc.*                                                                                         *Toronto, ON*
- Developed and optimized scalable software features using **Java** and **React.js**, enhancing application performance and reducing bug occurrences by **20%**.
- Implemented a real-time feedback system leveraging **Node.js** and **REST APIs**, driving a **25%** increase in user satisfaction by improving responsiveness and usability.

**STEMing Up Program Intern**                                               **May 2023 – April 2024**
*Her Volution*                                                                                        *Toronto, ON*
- Provided strategic mentorship to **10** volunteers, driving active participation in outreach initiatives and increasing overall program impact by fostering a collaborative learning environment.
- Spearheaded the planning and execution of **five** large-scale STEM community events, leveraging leadership and organizational skills to attract **200+** attendees per event, significantly boosting STEM awareness and engagement.

## PROJECTS

**PageMind** 
*React.js, Node.js, Socket.io, OpenAI APIs, MongoDB, AWS S3*
- Engineered a dynamic platform enabling real-time interaction with PDF documents, leveraging **React.js** for an intuitive user interface, **Node.js** for efficient backend processing, **OpenAI APIs** for AI-driven conversational capabilities, and **MongoDB** with **AWS S3** for scalable data management and secure file storage.

**Notably** 
*TypeScript, React.js, Node.js, MongoDB*
- Developed an interactive task and note management application using **React.js**, **Node.js**, and **MongoDB**, leveraging **TypeScript** for static type checking to ensure robust, scalable, and maintainable code while delivering a seamless user experience.

**Sorting Visualizer** 
*JavaScript, React.js, Redux*
- Developed a dynamic web application to visualize sorting algorithms, utilizing **React.js** for an interactive UI and **Redux** for efficient state management, enhancing understanding of algorithm performance and complexity.

**CoWrite** 
*TypeScript, Socket.io, React.js, MongoDB*
- Developed a real-time collaborative document editing platform using **React.js** and **TypeScript**, enabling simultaneous multi-user editing with live updates powered by **Socket.io**, a Quill-based editor, **Material-UI** for design, and **MongoDB** for scalable data storage.