

Nicholas Leduc

✉ nickleduc@cmail.carleton.ca ☎ 613-252-3412 📍 Ottawa, Canada in LinkedIn 🖱 My Personal Website 🐙 Github

Professional Experience

Automation Software Developer, *House of Commons*

05/2023 – 08/2023 | Ottawa, Canada

- Leveraged Robot Framework to build automation scripts for a thick desktop security software, empowering colleagues to accelerate repetitive and complex tasks
- Successfully led the entire research, design, architecture, and development process individually, leveraging my expertise to create a robust solution that surpassed all expectations
- Took charge of integrating the automation scripts into Microsoft's Azure DevOps, empowering cross-functional teams to collaborate effectively, track changes, and deploy the software efficiently

Full Stack Software Developer, *TutorOcean* 🔗

09/2022 – 12/2022 | Ottawa, Canada

- Developed REST API endpoints using Node.js to efficiently fetch and query data from a MongoDB database
- Re-created numerous web pages by utilizing React and Next.js which drastically improved SEO
- Implemented various SEO strategies, including appropriate metadata, title tags, and structured data, to optimize website content for search engine crawlers
- Utilized Tailwind CSS to style and format the front-end

Front-End Software Developer, *QuadC* 🔗

09/2022 – 12/2022 | Ottawa, Canada

- Developed and implemented feature enhancements on the QuadC platform by using React.js
- Utilized React components and state management to create interactive and dynamic elements
- Successfully identified and resolved various bugs in order to meet customer needs
- Styled web pages using CSS

Test Automation Software Developer, *QuadC/TutorOcean* 🔗

05/2022 – 12/2022 | Ottawa, Canada

- Developed robust and scalable regression automation tests using Robot Framework and Selenium, ensuring consistent and reliable software quality
- Maintained the pre-existing tests, ensuring reusability, maintainability, and compatibility with evolving software components
- Conducted back-end REST API regression tests to ensure appropriate endpoints were working properly

Projects

Full Stack Time Management Task Board App, *TwoDue* 🔗

- Designed the front end by constructing components using React and Next.js while styling it using Tailwind CSS
- Engineered the back-end by utilizing the built-in Next.js API to create various end-points in order to query for appropriate data from the MongoDB database
- Utilized Mongoose to establish schemas across various collections (users, boards, tasks) for consistent data management and preservation
- Developed a login system leveraging Next Auth, fortified with strong password hashing techniques, ensuring users can confidently safeguard and manage their data within an account-based system

Contracted Website, *Krew Home Inspectors* 🔗

05/2023 – 07/2023

- Collaborated with two colleagues to develop a front-end website for a client, utilizing React.js and Next.js frameworks to deliver a highly optimized and performant user interface
- Successfully enhanced the site's SEO by strategically adding appropriate meta data to each page and submitting sitemaps to search engines, improving discoverability and optimizing the indexing process
- Demonstrated strong project management skills by organizing and conducting weekly meetings with the client and team members, fostering collaboration and ensuring alignment on goals and objectives

Personal Website, *Nick Leduc* 🔗

- Utilized React and Next JS to create components in order to develop a full front-end website
- Implemented CSS and frameworks such as Tailwind to style and animate the front-end

Education

Bachelor of Computer Science, Software Engineering Stream, *Carleton University*

09/2020 – present | Ottawa, Canada

- Third-year standing; 10.71/12 (A-) CGPA, 11.21/12 (A) Major CGPA
- Dean's Honors List: All Preceding Semesters
- Expected Graduation April 2025

Technical Skills

Programming Languages

Python, Java, JavaScript, TypeScript, C, C++, Node.js, Robot Framework

Programming Libraries and Frameworks

React.js, Next.js, Tailwind CSS, Robot Framework (Selenium, Database Library, Sikuli),

Database and Data Management

MongoDB, Mongoose, Schemas, Hashing, SQL, REST-API, Querying, API Testing, HTTP methods

Version Control and Collaboration

Git, Github, GitLab, Scrum Agile Framework, Jira, Microsoft Azure Dev Ops, Asana, Microsoft Teams