

Nate MacLeod

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SKILLS

LANGUAGES

C • C++ • Python • Java • Kotlin • HTML • CSS • JavaScript • TypeScript • Bash • SQL • LaTeX

TECHNOLOGIES, FRAMEWORKS, TOOLS, AND PLATFORMS

Vue • React • Node.js • Express.js • Git • GitHub • Visual Studio Code • Firebase • Windows • Linux • Android Studio • AWS
MongoDB • JSF • Selenium • Playwright

WORK EXPERIENCE

SIGNIANT | SOFTWARE DEVELOPER CO-OP | JAVASCRIPT, TYPESCRIPT, REACT, NODE.JS, EXPRESS.JS, AWS
September 2024 – April 2025 | Ottawa, ON, Canada

- Developed, tested, and delivered major features and improvements to Signiant's cloud platforms, enabling media and entertainment companies to quickly and securely transfer large files
- Assisted in efforts to unify customer storage across Signiant's four primary products; led multiple large full-stack refactors and the development of many new features to improve cohesion between products and simplify their usage
- Designed and developed new frontend pages and backend APIs to support load balancing for file transfers between customers' on-premises Signiant SDCX storage servers

D2L | SOFTWARE DEVELOPER CO-OP | JAVASCRIPT, REACT, NODE.JS, EXPRESS.JS, PLAYWRIGHT, AWS
September 2023 – December 2023 | Kitchener, ON, Canada

- Designed and developed several web app prototypes for possible future D2L features as a member of the D2L Labs team
- Created multiple full-stack React/Express applications that employ generative artificial intelligence, including a guided course creator and a rubric designer, and incorporated feedback from instructional design experts
- Built a browser extension and an AWS Lambda to automate parts of D2L's accessibility audit process with Playwright, greatly reducing the amount of time and work needed to carry out these audits

NCR | FULL-STACK SOFTWARE DEVELOPER | JAVA, JAVASCRIPT, REACT, JSF, SQL
January 2023 – April 2023 | Waterloo, ON, Canada

- Developed new features and fixes for the NCR Passport web application as a member of a small Agile team
- Collaborated with team members to refactor an existing SOAP API into a JSON-based REST API, improving efficiency and reducing overhead
- Applied various optimizations to the project's Maven build process to reduce its build time by over 75%, and fixed over 200 broken Jest unit tests in the React application

CTRL V | VR SPECIALIST
August 2020 – December 2022 | Waterloo, ON, Canada

- Worked with a small team to provide customers with exceptional virtual reality experiences in Canada's first VR arcade
- Planned and executed solutions to technical issues quickly, often under pressure, in both independent and team-based settings, responding 2 times faster than the overall company average
- Interacted with customers of all ages, as well as with large groups, in a professional yet approachable manner, resulting in high levels of customer satisfaction

EDUCATION

UNIVERSITY OF WATERLOO | SEPTEMBER 2021 - 2026 (EXPECTED) | WATERLOO, ONTARIO, CANADA
Program: Bachelor's of Computer Science (BCS)

Cumulative GPA: 95% (Major Average: 97%)

Relevant Courses: Elementary Algorithm Design and Data Abstraction (**C**), Introduction to Object-Oriented Programming (**Bash, Linux, C++**), Logic and Computation, Data Structures and Management (**C++**), Foundations of Sequential Programs (**C++**), Algorithms, Operating Systems (**C**), Computer Networks, Introduction to Machine Learning, Software and Systems Security (**C**)