

# MEGAN MCCLURE

## Full-Stack Software Developer

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### PROFESSIONAL EXPERIENCE

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#### MONOGRAM CREATIVE CONSOLE

Kitchener, ON

##### Full-Stack Software Developer

August 2021 - Current

- Worked with 3rd party SDKs and APIs to build and support over 10 custom integrations such as Photoshop UXP, Premiere Pro, Lightroom Classic and others
- Diagnosed and fixed hundreds of bugs in the Monogram Creator application ecosystem
- Used Qt (C++), QML, Javascript and Typescript to implement numerous front end and back end features, such as dark mode, analytics tracking events, automatic labeling, and many others
- Spearheaded a project to convert the back-end codebase from Javascript to Typescript
- Designed, implemented, and maintained a suite of REST APIs deployed with AWS Lambda for automatic generation and management of user licenses for over 3000 active users
- Developed a React application to render screen pixels and save bitmap files to increase the speed of prototyping projects
- Handled weekly technical customer support tickets
- Acted as a first point of contact for co-op students, including onboarding, mentorship, and answering technical questions

#### MONOGRAM CREATIVE CONSOLE

Kitchener, ON

##### Software Development Co-op

May 2019 - August 2020

- Communicated with stakeholders to design and implement multiple new features for the Monogram Creator application platform
- Led the implementation of a UI/UX redesign for the Monogram Creator app in order to accommodate new hardware technology and improve overall user experience

#### QUEEN'S UNIVERSITY

Kingston, ON

##### Teaching Assistant

September 2018 - April 2019

- Held tutorial sessions, proctored exams, graded student assignments and tests, and answered student questions for Data Structures (CISC 235) and Introduction to Computer Science (CISC 101) classes

#### PRACTICAL GENOMICS

Sudbury, ON

##### Software Developer

May 2018 - August 2018

- Created a Java based application used in clinical tests to analyze sequencing data from next-generation sequencing (NGS) machines to determine sequences that are unique to each patient's cancer, and assist doctors in diagnosing hundreds of patients across Ontario

### EDUCATION

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#### QUEEN'S UNIVERSITY

Kingston, ON

*Bachelor of Computing Honours (Software Development)*

September 2016 - April 2021

## ADDITIONAL INFORMATION

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- Technical Skills: JavaScript/TypeScript, Qt/QML (Qt Framework), NodeJS, C++, Git/GitHub, Yarn, Jest, AWS Lambda, REST APIs, OpenAPI, VS Code, HTML, CSS, React, Python, Java, Samtools, Figma, FigJam
- Soft Skills: Adaptability, Collaboration, Communication, Organization