





William (Marcus) King

Software Developer

Personal Info

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 Calgary, AB, Canada

Education

- **B.Sc. in Computer Science**
University of Victoria
2016 - 2021

Skills

C# - Experienced

C++ - Experienced

Git - Expert

Java - Experienced

Python - Experienced

Typescript - Experienced

Unreal Engine - Beginner

Unity - Beginner

GraphQL - Experienced

PostgreSQL - Experienced

Links

[LinkedIn -](#)
[www.linkedin.com/in/marcus-king-](https://www.linkedin.com/in/marcus-king-b71418158)
[b71418158](#)

[Web Page - https://king-](#)
[mork.github.io/](#)

Summary

Motivated software developer with 2+ years of experience developing tools for VFX/animation pipelines. Experienced in C++, Python, TypeScript, and Java. Combining my knowledge with my drive to learn to produce high-quality software solutions.

Work Experience

Software Developer, DNEG

November 2021 - July 2024

- Implemented and deployed a web UI that used SVG and D3.js to render a node-based visualization of assets and their relation to one another, including more detailed information on each asset.
- Established dev workflows for the future creation of web-applications at DNEG.
- Contributed to the planning of projects and creation of design documents that would expand the usage and efficiency of GraphQL services and APIs.
- Traced and debugged support issues through applications with multiple layers of dependent interfaces.
- Updated and migrated tools owned by the Data Frameworks team to be compliant with our team's current dev workflows as well as more modern build environments.
- Converted dozens of DNEG's extensive catalog of Python libraries, DCC plugins, and scripts to be Python 3 compatible.
- Wrote both developer-facing and user-facing documentation on the intended usage of libraries and features.

Java Technologies Analyst Co-op, CGI

May 2018 - December 2018

- Programmed numerous test cases in Java for a Selenium-based automated testing framework to catch regressions in a client's web-application.
- Monitored and investigated failures reported in the automated tests across the QA, Test, and Production environments.
- Created a document cataloging the suite of test cases and the scope of the application that each test case covered.

References

References available upon request