





# William (Marcus) King

Software Developer

## Personal Info

 [wmarcusking98@gmail.com](mailto:wmarcusking98@gmail.com)

 (587) 892-3077

 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.