

# Mason L'Etoile

(519) 983-0013  
contact@masonletoile.ca  
www.masonletoile.ca

## Projects

### Starlet Engine | [github.com/starlet-engine/engine](https://github.com/starlet-engine/engine)

C++, OpenGL, CMake, Unit-testing (GTest), GLFW

- Modular C++ engine ecosystem focusing on clean, maintainable code and high performance.
- Implemented automated Unit Testing using GoogleTest to ensure library stability across multiple modules.

### Starlet-Setup Utility | [github.com/starlet-engine/starlet-setup](https://github.com/starlet-engine/starlet-setup)

Python, Build automation, CMake, Unit-testing (PyTest)

- Python automation tool to clone, configure, and build multi-repo CMake projects.
- Streamlined repetitive environment setup tasks for faster developer workflows.

### Github Top Languages | [github.com/masonlet/github-top-languages](https://github.com/masonlet/github-top-languages)

Node.js, JavaScript, GitHub API, Unit-testing (Vitest)

- Dynamic data visualization tool that fetches user repository data via the GitHub REST API to generate customizable SVG charts.
- Implemented automated unit testing and a CI/CD pipeline to ensure deployment stability.
- Implemented a caching system to optimize performance and manage API rate limits

## Experience

### Courtland Landscape & Grounds, Tillsonburg – Mechanic

May, 2023 - August 2023

- Performed maintenance and repair on a variety of landscaping equipment, machinery, and vehicles, ensuring optimal performance and safety.
- Managed multiple tasks simultaneously, ensuring timely and quality work.
- Troubleshoot and resolved mechanical issues, minimizing downtime and enhancing productivity.

### Canadian Tire, Tillsonburg – Mechanic

June, 2022 - November 2022

- Effectively managed multiple vehicles and repair jobs simultaneously, demonstrating strong multitasking and time management skills.
- Enhanced problem-solving skills while working independently or as part of a team.
- Identified and repaired automotive issues in a fast-paced environment.

## SKILLS

- Strong organization & multitasking
- Problem-solving & troubleshooting
- Communication & teamwork
- Familiar with circuitry, multimeters, electrical systems, and diagnostic tools.

## PROGRAMMING

- C++, C#, Python, Java, Javascript
- HTML/CSS, SQL
- Unit testing, automated testing, build automation
- VS Code, Visual Studio, Git

## LANGUAGES

- English, Fluent

## EDUCATION

### Fanshawe College, London

Computer Programming and Analysis  
September 2023 - Current

Fanshawe College, London

*Motive Power Tech (Diesel)*  
September 2022 - April 2023