

# Mason Kerr

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Current Software Engineering Technology student at Centennial College with hands-on experience in web development, databases, and software project management. Skilled in object-oriented programming (Java, C#, Python, R), SQL, and full-stack web technologies (HTML, CSS, JavaScript, React). Strong analytical problem-solver with experience collaborating in professional and academic team projects to deliver high-quality solutions.

## TECHNICAL SKILLS

- **Programming Languages:** Java, C#, Python, SQL, JavaScript, HTML/CSS, VBA, R
- **Development Tools:** Git/GitHub, Visual Studio Code, Eclipse, Oracle SQL Developer
- **Frameworks & Libraries:** React, Node.js, .NET
- **Operating Systems:** Windows, Linux
- **Other Tools:** Excel, VBA, Jira

## EDUCATION

### Ontario College Advanced Diploma, Software Engineering Technology

2025-Present

Centennial College – Toronto, ON

- Relevant Coursework: Web Development, Database Design, Object-Oriented Programming
- Key Projects: Designed and implemented a SQL database for a digital storefront, developed websites using HTML, CSS, JavaScript, and SQL, and created a fully functional calculator application using C# and the .NET framework.

### Bachelor's Degree, Actuarial Science, Major in Actuarial Science - Minor in Computer Science

Graduated 2021

University of Western Ontario – London, ON

- Relevant Coursework: Project Management, Algorithm Design
- Key Projects: Designed and implemented an app integrating the World Bank API to extract and visually represent economic data.

## PROFESSIONAL EXPERIENCE

### Manulife Financial Corporation, Toronto, ON

2021 – 2023

#### Actuarial Analyst

- Automated and optimized reporting workflows using SQL and VBA, improving efficiency of monthly and quarterly reports.
- Collaborated with cross-functional teams to analyze complex datasets and deliver actionable insights.
- Documented processes and workflows to standardize operations and support team knowledge sharing.
- Coordinated time-sensitive projects, ensuring deadlines were consistently met.

### SunLife, Toronto, ON

2019

#### Application Analyst Intern

- Managed a knowledge base update project, updating and revising documentation resulting in successful completion ahead of schedule.
- Ensured change requests were completed accurately and met tight timelines by matching necessary procedures with the appropriate programming and quality assurance staff.
- Fulfilled regular database update tickets by following complex procedures and best practices as per company guidelines.

### RBC Royal Bank, Toronto, ON

2018

#### Analyst Intern

- Evaluated the priority and relevance of reports and automated report creation using VBA and SQL.
- Updated a log of 150-200 reports by carefully tracking and removing report redundancies.
- Responded promptly to ad hoc report requests, ensuring timely delivery of requested information.