

# TOM KOOLE

## Software Engineer

---

### CAREER EXPERIENCE

#### Digital Extremes Ltd.

*Sr. Data Ops and Services Programmer 2023-present*  
*Data Ops and Services Programmer Jan2022-Mar2023*  
*Remote, Waterloo, ON*

Design, implement, and validate ETL pipelines for game data while researching and driving innovative solutions for data acquisition, maintenance, and cross-save compatibility. Coordinate and support in-game testing efforts, and actively contribute to driving initiatives within the game code. Develop and implement cross-save functionality for transactions, in-game wallets, and statistics. Additionally, design an internal scripting framework to ensure ETL jobs are both maintainable and flexible.

#### Northern Digital Inc.

*Integration Specialist 2018-Dec2021*  
*Waterloo, ON*

Collaborate with a multi-disciplinary team to investigate and define system requirements for next-generation product lines. Develop design requirements, product specifications, technical assessments, and interaction evaluations for both existing and future products. Oversee the development, deployment, and integration of NDI technologies into customer applications, and create demo applications and sample code to showcase NDI products.

#### TouchBase Mail & GuestServe Inc.

*Software Engineer 2015-2018*  
*St. Catharines, ON*

Contribute as a full-stack developer for an email service provider developed by GuestServe. Design and implement scalable features such as subscription filtering, workflows, tracking, and analytics.

#### Niagara College Research & Innovation

*Programmer / Research Associate 2014-2015*  
*Programmer / Research Assistant 2009-2014*  
*Niagara-On-The-Lake, ON*

Programming and analysis across a variety of projects, including GIS development for agriculture, audio and video quality assurance, and weather mapping software. Act as the lead software developer for the PrAgMatic, LandMapr, and Global Farm Manager projects.

---

### PROFESSIONAL SKILLS

#### Proficient Programming Languages:

C++, Python, Java, Lua, PHP, JS, SQL and more!

#### Software Tools:

IntelliJ, Visual Studio, Photoshop, Android Studio, Unity3D, Git, GitLab, Bitbucket, Jira

---

### EDUCATION

#### 2014 BSc Computer Science w/Honours

Brock University (2010-2014)

- Advanced Algorithms
- Artificial Neural Networks
- Digital Media & Graphics
- Formal Methods in Software Engineering

#### 2010 Computer Programmer 3yr Diploma

Niagara College (2007-2010)

- 3 Year Advanced Diploma

---

### PROJECTS

#### Patent 3102791:

Reducing interference between electromagnetic tracking systems.

#### Welland Canal Status:

Canal Status is an Android app I created in 2013 and maintain for fun, it allows you to check the Welland Canal bridge statuses while commuting.

---

### PERSONAL DETAILS

**Tom Koole**  
**Waterloo, ON**  
**Canada**

T : 289 228 2529

E : [koole.tom@gmail.com](mailto:koole.tom@gmail.com)

W : [tomkoole.com](http://tomkoole.com)

[ca.linkedin.com/in/tomkoole](https://ca.linkedin.com/in/tomkoole)