

# Joshua Guenther

## Software Developer

**Address** Kitchener, ON, N2R 0L9

**Phone** (226) 750-7848

**E-mail** Joshguen98@gmail.com

**LinkedIn** [www.linkedin.com/in/joshua-guenther-046600133](http://www.linkedin.com/in/joshua-guenther-046600133)

**WWW** <https://github.com/Joshguen>

Creative Software Developer talented at developing practical solutions in a tight timeframe to meet user specifications. Maintains exceptional development quality from conception through distribution. Works alongside clients and colleagues through all stages of development to produce exceptional final products.

## Work Experience

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**2022-01 - 2023-04**

### Software Test Engineer

*Kenota Health, Kitchener, ON*

- Conducted regression testing, analyzed results, and submitted observations to development team.
- Documented integration issues and vulnerabilities and outlined improvement recommendations.
- Wrote and optimized test cases to maximize success of manual software testing with consistent, thorough approaches

**2020-01 - 2020-08**

### Software Developer

*Geoware Inc, Waterloo, ON*

- Debugged production code in Java, using rigorous and thorough testing procedures.
- Worked closely with a small team both in person and remotely managing hours worked away from office.
- Implemented new features where applicable to overcome inefficiencies of previous designs.

**2019-05 - 2019-08**

### Software Developer

*Georef Systems Ltd, Waterloo, ON*

- Wrote code using C++ to fix bugs specifically in edge cases and managing data-flow from databases.
- Performed Black box and White box testing for both console and web applications.
- Organized assignments between myself and another developer to ensure quality and maximize efficiency in complex tasks.

**2018-05 - 2018-12**

### Help Desk Analyst

*Faithlife Financial, Waterloo, ON*

- Troubleshoot user issues, and used resources to determine optimal solutions.

- Improved existing processes, developing new application when appropriate.
- Documented user issues, existing code, and complicated processes to increase ease of use.
- Tested and integrated software in coordination with upgrading systems from Windows 7 to Windows 10.

## Education

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2016-09 - 2021-04

### **Bachelor of Computing: Software Engineering, Business Minor**

*University of Guelph - Guelph, ON*

- Relevant Courses Completed: Software Design V (95%), Software Reliability & Testing (91%), Human Computer Interaction (94%)

## Languages

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Java, C/C++, Javascript, Python, SQL, Typescript

## Software Projects

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Developed an SQL database that stored Icalendar data and ran queries to find relevant information. Also developed a webpage using Node.js and CSS that made use of this database as well as the C parser used to make the Ical files.

With a team of 5, developed a program in Typescript made to parse through the University of Guelph's website to gather course information and display it in D3 graphs. Information was stored in a database, accessible through a GUI.

Created a mobile application designed to read in a receipt and allow a group of users to easily split the bill, simplifying the process of sharing costs when getting groceries or going to a restaurant.

## Skills

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Agile

Application Design

Process improvements

Software Development

Database management software

Test strategies and coverages