

# Kevin Clarke

SOFTWARE DEVELOPER

<b>PHONE</b>	1-705-559-6430
<b>EMAIL</b>	kevinclarke@kevinclarke.net
<b>LOCATION</b>	Peterborough, Ontario

To the Hiring Manager,

Re: Software Developer Position

I am very interested in the software developer position at SpeedLine. I am a recent graduate of the Computer Science program at Trent University. While at Trent University, I was exposed to a wide variety of programming languages and systems. Some key points of my education that may be relevant to this position include:

- Knowledge of system design, such as common system architectures, and the application of useful design patterns.
- Learning to develop algorithms that scale well with large sets of data, allowing programs to run efficiently.
- A focus on maintaining good programming practices, allowing me to write code that is easy to understand and maintain.

During my final year at Trent University, I worked on a data collection system for the Ontario Ministry of Natural Resources and Forestry's Growth and Yield Program. While working on this project, I gained experience developing a complete system, and developed many important non-technical skills:

- I developed strong written and oral communication skills by corresponding with clients. This includes leading and organizing meetings, carrying out software demonstrations, reporting progress to both technical and non-technical workers, and writing easily understood documentation.
- I developed organization and prioritization skills. I ensured that the project had a clear direction at all times by leading discussions about the project timeline. If any developers were unsure about what to work on, I was able to give suggestions about the next logical step.
- I developed independent learning and research skills. Many project constraints posed unique challenges, and possible solutions had to be researched and evaluated. I had to learn to use new frameworks when implementing the system.

Finally, I'd like to say that I have a genuine interest in POS systems and tools for restaurants. I've been working in restaurants while attending university, and as such I naturally tended to think of how to apply what I was learning to a restaurant setting. I am excited at the prospect developing software for a restaurant context, and truly do hope you will consider me for this position. I can be contacted during weekdays and weekend mornings at (705) 559-6430, or I will respond to email at the earliest possible time.

Regards,

Kevin Clarke

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## EDUCATION

Trent University, BSc Honours in Computer Science, 2021

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## SIGNIFICANT PROJECTS

### Growth and Yield Data Collection System

Ministry of Natural Resources and Forestry; Trent University, 2020-2021

Developed project objectives by gathering requirements through client meetings.  
Designed Java data structures for form completion and validation.  
Simplified future updates by designing and implementing a system to dynamically generate Java forms from JSON files.

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## LANGUAGES

### Web Development

Experienced in HTML5, CSS, and JSON.

Familiar with PHP and Dart.

Some experience with Javascript and JQuery.

### Database Programming

Experienced in MySQL and SQLite.

Familiar with PostgreSQL

### Object Oriented Programming

Proficient in Java and C#.

Experienced in Python.

### Procedural Programming

Proficient in C.

Experienced in C++.

### Parallel Programming

Some experience with MPI and OpenMP.

## SKILLS

### Documentation

Able to read and create UML diagrams.

Able to write clear and concise documentation for source code.

### Program Design

Experience with the use of design patterns.

Able to implement and utilize common data structures and algorithms for searching and sorting.

### Project Management

Familiar with Agile, SCRUM, and PMBOK.

Experience with the requirements elicitation process.

Working knowledge of requirements gathering techniques.

### Interpersonal

Able to clearly communicate ideas in an easily understood manner.

Able to work effectively in a team, delegating or taking on work as needed.

Experience leading and organizing client meetings.

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## TECHNOLOGIES

- Android Studio
- Atom
- Eclipse IDE
- Git
- Google Workspace
  - Gmail
  - Google Docs
  - Google Drive
  - Google Sheets
  - Google Slides
- Flutter Toolkit
- IntelliJ IDEA
- Jira
- Linux Operating Systems
- Lucidchart
- Lucidpress
- Microsoft Office Suite
  - Microsoft Excel
  - Microsoft Powerpoint
  - Microsoft Word
- Microsoft Teams
- phpMyAdmin
- PuTTY
- Trello
- Unity Editor
- Visual Studio Community 2017
- Visual Studio Community 2019
- Windows 10
- WPF

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## EXPERIENCE

### GMTK Game Jam

Personal Project, June 2021

Created a short game over a 48-hour period in a team of 3 people using the Unity Editor.

Implemented character AI using C# and the Unity API.

Implemented player components using C# and the Unity API.

### E-Book Online Library

Course Work, 2019

Designed and implemented a website using HTML5, CSS, and PHP.

Maintained a database of user accounts with MySQL and phpMyAdmin.

Provided feedback on user input using Javascript, resulting in a better user experience.

Stored user-uploaded files using MySQL and phpMyAdmin.

Improved user experience by implementing a search function with PHP.

### Text-based Chat Application

Course Work, 2019

Designed and implemented a client-server architecture in C.

Checked for message transfer errors by implementing message acknowledgments and checksums, resulting in improved reliability.

Improved security by applying a cipher to message contents.

### Restaurant Work

Pizza Factory, 2017 - 2021

Swiss Chalet, 2015 - 2017

Developed prioritization skills through working in a fast-paced environment.

Demonstrated communication skills by providing clear and concise explanations in a limited period of time.

Improved interpersonal and leadership skills by delegating work as needed.