

# VIKTOR CSOMOR

Münchenstrasse 29/12, 1120, Vienna, Austria | 0043 664 1534164 | viktor.csomor@gmail.com | [viktorc.net](http://viktorc.net)

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## SUMMARY

Software engineer with hands-on experience and an avid interest in software design, machine learning, and parallel computing. Well-versed in Java, C++, and C#. Contributed to the development of complex enterprise, web, and desktop applications. Fascinated by the theoretical aspects of computer science such as mathematics, algorithms, and data structures. Passionate about optimal solutions and clean, efficient code.

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## WORK EXPERIENCE

### **Apr 2017 – present: Build and Configuration Engineer, Allianz Technology, Vienna**

Developed and maintained plug-ins for an Eclipse IDE to support remote development on a Linux host environment and refactored large portions of the old codebase greatly improving code quality.

Developed both the Java backend and the Angular web frontend prototype of a build report system successfully adopted by developers and build managers company wide.

Implemented a RESTful Java web service backed by a native process pool for the execution of external DB2 stored procedures significantly increasing scalability and reducing response times.

### **Sep 2016 – Mar 2017: Java Development Intern, Allianz Technology, Vienna**

Implemented a secure interactive shell command executor for remote Linux machines, developed Eclipse plug-ins, and provided support and troubleshooting for users of the plug-ins.

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## PERSONAL PROJECTS

**DETROID:** A magic bitboard and parallelized principal variation search based Java chess engine and a framework providing Universal Chess Interface support, a JavaFX GUI, and parameter optimization via machine learning.

**C-ATTL3:** A C++ header-only template library for deep learning that supports the easy construction and optimization of state-of-the-art neural network architectures such as convolutional ResNets and LSTMs.

**PP4J:** A Java multiprocessing library that provides process pool implementations and a flexible API.

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## SKILLS

**Java:** Oracle Certified Java 8 Professional, JNI, JNA, JDBC, JPA, Hibernate, Jersey, Maven, JUnit, JavaFX, SWT, Eclipse RCP

**C++:** C++11, GCC, GNU Make, MinGW, Doxygen, Template metaprogramming, Eigen, Eclipse CDT

**C# .NET:** WPF, Entity Framework, WCF, ASP.NET, Windows Services, Visual Studio

**Database:** SQL, MySQL, Oracle, SQL Server, DB2

**Web frontend:** HTML, CSS, JavaScript, jQuery, Angular.js

**Version control:** Git, SVN

**Others:** Apache Tomcat, Travis CI, Bugzilla, Linux

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## EDUCATION

**2018 – present:** Vienna University of Technology – **Computational Intelligence MSc**

**2014 – 2017:** University of Applied Sciences Technikum Vienna - **Business Informatics BSc** – Mobile Computing specialization (GPA: 3.5)

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## LANGUAGES

**English:** Full professional proficiency

**German:** Elementary proficiency

**Hungarian:** Native proficiency

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