

Gábor Bernát

Birthday: 22.12.1988

Address: 8 Martie Nr. 83C Tîrgu-Mureş

Phone Nr: +40746217082

E-mail: bernat@primeranks.net

Homepage: www.primeranks.net



SUMMARY OF QUALIFICATIONS

Gábor Bernát is a well-rounded student with outstanding educational results currently in the fourth year at the Sapientia Hungarian University of Transylvania. Through the years beyond amassing the theoretical knowledge of multiple IT domains, he gained valuable experience by participating in various individual and team projects (CAD, radio communication, mobile robots, and etcetera). He is also a conscious self-driven learner and performer having written multiple technical articles in various domains of the IT.

Key areas: technical articles writing, programming in C/C++, MFC, STL, .NET (C#), Java, UML Design, databases (SQL), networking (TCP/IP), documentation writing, and etcetera.

Key tools: Multiple Microsoft and Linux related general usage and developer programs, various Google and other online applications

WORK EXPERIENCE

2007-present Writing articles with technical content on various fields of IT including both introductory and advanced techniques for programmers, hardware component reviews and various internet/ computer usage tips. All the articles are published in one of the 13+ technology websites of the company with headquarter in Fort Lauderdale, South Florida, USA. The network of sites has millions of unique visitors overall. I have multiple articles written about C/C++, coding styles, and so forth that are number one in the Google search and have a ~65,000+ unique views. You can obtain a full list of them at <http://www.primestuff.net/yeti.html>

Keywords: **freelancer technical writer**, application documentation, various IT domains, American English, exploration, technical background research

2010 Coded the image processing and acquisition algorithm (in C/C++ language) for a research whose ultimate goal is to develop robots that will play hockey on their own with artificial intelligence. Furthermore made the integration of the written code to the .NET environment and developed the user interface for it in this environment. This was a team effort and successfully managed to get the system up and running with an acceptable error rate. The project was part of a student exchange program through what I attended for a semester classes at the Simon Fraser University in Vancouver, Canada.

Keywords: hockey playing robots, research, image processing, image acquisition from IP/USB camera and card grabber, C++, .NET, **team work**, **foreign experience**

2009 Participated in developing a mobile robots communication system as part of summer practice at the University. We created a bidirectional communication

system with two RF transceivers (CC1000) and the help of a Fujitsu MB90F352 microprocessor. Planned and created an adaptable CRC checking algorithm in C with Visual Studio 2008. Due to the structure of my code, trying out various CRC algorithms could be done with just a few line of code change.

Keywords: bidirectional communication system, CRC algorithm, C, team work

2007-2008 Written a registry editor for internal usage of the XData Consulting SRL (Tîrgu-Mures - <http://cadelix.ro>) in the C++ language using the MFC library for user interface. Created the basic build up (basic geometrical classes, serialization system, interaction/transformation and drawing of geometrical objects in MFC) for CAD software developed by the company. Amassed working experience and techniques inside a professional private company.

Keywords: **junior programmer**, CAD, team work, sub versioning, registry, MFC, coding standards, **work experience**

EDUCATION

2007-on going Computer Science - Sapientia Hungarian University of Transylvania
Tîrgu-Mures

2003-2007 "Intensive" Mathematics/Informatics
Bolyai Farkas Theoretical High School, Tîrgu-Mures

LANGUAGES

Name	Read	Write	Speak
Hungarian	Advanced	Advanced	Advanced
Romanian	Advanced	Advanced	Advanced
English	Advanced	Advanced	Advanced
German	Basic	Basic	Basic

HOBBIES AND INTERESTS

Soccer, Formula 1 (engines), swimming, bioengineering, going out with friends.

REFERENCES

James Payne Editor-in-chief, Developer Shed Inc. (Ziff Davis Enterprise)
Andrei Popa XData Consulting SRL, Tîrgu-Mures
Sharam Payendah Professor/Project Coordinator at Simon Fraser University

SKILL TABLE

Language	Level	Known Since
C/C++	Advanced	2003
MFC	Advanced	2006
C#/.NET	Advanced	2008
SQL	Intermediate	2008