

Curriculum Vitae

Cornel Raț

Contact Details

Email: ratcornel@yahoo.com

Objective

My objective is to continuously expand my knowledge in computer science and apply it by making use of the latest technologies available. I am also interested in developing my skills in all security related areas. My future objective is to become a highly qualified software developer and to work in a very competitive software company.

Education

Technical University of Cluj-Napoca Faculty of Automation and Computer Science, Computer Science Department Courses taught in English, 4 th year of studies out of 5	2004 - present
“Mihai Eminescu” High School, Satu Mare, Math – Computer Science class Certificate of computer operator, perfect 10 out of 10 grade	2000 - 2004

Contest Participations and Awards

- ACM Southeastern Europe Programming Contest, Bucharest, participation	2005
- National Olympiad in Informatics, Buzau, participation	2004
- Regional Mathematics and Informatics Contest, Informatics, “Marian Tariana”, Turda, 2 nd prize	
- National Olympiad in Informatics, Focsani, honorable mention	2003
- National Contest in Informatics, “Cupa Muresului”, Arad, 2 nd Prize	
- National Programming Contest “Grigore Moisil”, Lugoj, programming, 9-10 grade, honorable mention	2002
- County Olympiad in Informatics, Satu Mare, 1 st prize	2001
- National Programming Contest “Grigore Moisil”, Lugoj, software design, 2 nd prize	2000
- National Programming Contest “Grigore Moisil”, Lugoj, software design, 2 nd prize	1999
- Regional Mathematics and Informatics Contest, Mathematics, Honorable mention	
- National Olympiad in Informatics, Galaciuc, programming, 3 rd prize	
- National Olympiad in Informatics, Sinaia, participation	1998
- National Olympiad in Informatics, Sinaia, participation	1997
- County Programming Contest, Satu Mare, 2 nd prize	1995

Computer Skills

Programming

C# – advanced level

C/C++ – advanced level

VB .Net – advanced level

Java – intermediate level

T-SQL – intermediate level

PHP – beginner level

Software Design: Object Oriented Analysis and Design, UML, Design Patterns, SOA

Database engines: MS SQL Server 2005

Technologies:

.Net Desktop Development and Web Development, Web Services, Win32 API, XML, XHTML, Java Client Side (JDBC, SAX, SWING), ADO .Net, DAO, ASP.Net 2.0, ASP.NET Ajax

Development Tools and Test Tools

Visual Studio .Net, Visual Studio 6, NetBeans, SQL Server Business Intelligence Studio, JUnit, NUnit, Team Foundation Server, Visual Source Safe

Work Experience

Technical University of Cluj Napoca - City: Cluj Napoca, Country: Romania

October 2007 – present

Responsibility: research student

I have joined a research module in our university, in the Computer Science Department. There I have to develop a general purpose expert system.

ProLogic Soft - City: Oradea, Country: Romania

2005 – present

Responsibility: developer, project manager

I am developing accounting programs in VB .Net. I have completed an accounting application from the design process to the customer deployment and technical support.

Finsoft Software Company - City: Cluj Napoca, Country: Romania

June 2006 - September 2007

Responsibility: developer, intermediary project manager

I developed an ERP solution for securities firms. The solution relies on ASP.Net 2.0, C#, SQL Server 2005 and Web Services. My work was focused on transactions processing and feedback from the stock markets connected to the solution. Also, I handled some custom web controls, data entry UI parts, logging system and error processing. I actively took part in the solution and database design for some areas in the system.

Rent a Coder – The Rent a coder site: www.rentacoder.com

2004 – 2006

Responsibility: developer, team founder

The team has 4 members and has worked on the site since 2004 until 2006, under the coder name Omega1. During this period we got in the top 1.5%

Projects and Activities

- **Microsoft Academic Program, Microsoft Student Partners Program**

Spring 2007 – present

Responsibility: student, Microsoft Student Partner (since September 2007)

As a Microsoft Student Partner, my role is to help students in our university get closer to technology. I did this by organizing a C# course and together with my MSP colleagues, presentations on Microsoft Technology. Some topics covered in the presentations were: Hello world demos in various programming languages (Using Microsoft Academic Program), LINQ (Academic Tour v4).

LINQ to Reflection

In August 2007, in the Microsoft Community Bootcamp, I have presented an application on the LINQ and WPF technologies. It was developed by me and another colleague. I created the module used to interrogate assemblies via LINQ.

Lecture on C# 3.0

In July 2007, for a 3 weeks period I held a lecture on C# 3.0. Some elements covered in the course were: new language features in C# 3.0, ADO .Net, LINQ. At the end of the course, participants had to present and deliver a project that was based on the course. I coordinated some of the projects.

- **University Projects**

Kerberos

In 2007, I have developed in a team of 2 an authentication and authorization client-server application having as guidance material the Kerberos protocol.

3D Cross

In 2006, I have developed a cards game together with 3 other colleagues. I handled the game AI module.

- **ARDOR – The Romanian Association for Debate, Oratory and Rhetoric**

2001 – 2002

Responsibility: team member

I was one of the High School's debate team members. I have participated in various debate contests and organized 2 debate contests in our High School.

Language skills

Romanian – native, English – fluent, German – beginner, French – beginner

Hobbies and interests

Optimization Algorithms, Artificial Intelligence, Chess, Guitar playing and Reading

References can be provided upon request.

March, 2008