Curriculum Vitae

Personal information

Name:	Kanellopoulos Nikos
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Education

1994-1997:	High-school (GPA 19.2/20)
1997-2001:	University of Piraeus, BSc in Economics (GPA 8.4/10)
2002- :	Economics University of Athens, BSc Computer Science

Honours and awards

I received my degree in prompt time (from the University of Piraeus), achieving the highest GPA among the June 2001 graduates. Twice I was awarded a scholarship from the National Scholarship Foundation (IKY) due to high performance.

Languages

- Greek: Native.
- English: Very fluent (both written and oral). I hold the Cambridge Certificate of Proficiency in English (Grade B).
- German: I hold the Grundstuffe certificate (Grade A)

Employment History

April 2007 – October 2007, IDEAL S.A., Athens Greece

Working as a senior Java developer for the i-docs application, using tools and frameworks like Spring, Hibernate, Ant, JBoss, Eclipse. The mentioned application acts as the interface between the billing systems (like BSCS) and the printer and also as an archiving medium for the bill statements. It is used by big telecom companies and banks in Greece.

December 2006 – March 2007, Athens Greece

Employed by a startup as the chief designer and implementor of a fat-client financial application in C#, which simulates a company's economic activity and tries to accurately forecast the impact of various policy or environmental changes.

June 2006 – November 2006, Trasys Greece, Athens

Employed as an application architect and senior C# developer. During my

employment by Trasys, I was assigned to a German company based in Munich (iABG, a subsidiary of EADS). There I designed and implemented the solution to a complex problem which included new code in C# that had to interface with a legacy C++ application and to offer synchronization services between document repositories in the EU countries (regarding the EU medication approval process). The solution included Web services, Windows services, .NET Remoting, XML handling. Based on this 6-week prototype work, the iABG won a 1-Million Euros contract with the European Commission.

January 2004 – May 2006, Innovis S.A., Athens Greece
Employed as an application architect and senior C# developer. I was hired to design and participate in the rewrite in C# of the company's flagship product (Bizsmart, a workflow management system). As of early 2004, the NHibernate project was still an infant. To keep a high level of abstraction in the workflow engine, I wrote my own object-relational mapping tool, which reads the database schema, produces an XML template for the mapping and then it generates code based on the XML mapping file. Although not initially a design requirement, when the need arose, the well-designed class hierarchy and a few additions to my mapping tool were enough to add support for the Oracle database to the application, in just 3-4 days (made the management really happy). The design of the application involved numerous Design Patterns such as Observer, Strategy, Abstract Factory, Singleton.

April 2002 – November 2003, Mantis S.A., Athens Greece
Working as a C# developer for the LVision logistics software, my duties had mainly to do with data-retrieving and the interface with the database in general. I was also member of a team that designed (using UML) a production management module for the application. I have some nice memories of productive work, such as writing little tools to speed development, or an implementation of classic algorithms of graph theory (graph representation and topological sorting) which was used to detect cyclic references.

April 2001 – March 2002, Profile S.A., Athens Greece
Employment as a junior developer using Visual Basic 6 and SQL Server 2000. I worked on a client-server application for the Athens Stock Exchange brokerage companies (client management, transaction management, portfolio evaluation etc). One memorable task was the porting of the application to the Cyprus environment and the on-site deployment and support in Cyprus.

January 2000 – September 2003
Consultant and research associate of the Counseling Centre of the University of Piraeus. I conducted statistical analyses of the collected data, which concerned the academic community and other issues of social interest. Findings from these studies have been announced in international congresses.

November 1999 – July 2000
Administrator of the computer lab (simulated Dealing Room with Reuters data feed

etc.) of the Finance Department in the University of Piraeus. There, among other things, I helped post-graduate students prepare the econometric part of their master's thesis.

Qualifications

1. Computer Science

I have experience in computers since 1986. I am a member of the international organization ACM. In early 2000 I started to self-study computer science. I have covered subjects such as: algorithms, data structures, databases, compilers, operating systems, software engineering. In this study I have used the established English bibliography (e.g. Knuth, Aho, Hopcroft, Ullman, Cormen, Rivest, Tanenbaum etc).
In 2002 I decided to formalize my computer science knowledge and to study even more systematically, so I enrolled to the Computer Science Department of the Economics University of Athens.

Programming Languages

I know how to effectively program in C, C++, C#, Java, Ruby, Perl, Bash shell, PHP, Visual Basic 6. My programming knowledge is not confined to the syntax of each language. I know which elements of every language facilitate the application of certain programming paradigms (object oriented, structured etc) and when each paradigm is appropriate.
For the architecture and documentation of object oriented systems I use the modeling language UML. During the implementation of large projects I like to use elements of the Rational Unified Process (RUP) and the techniques of Extreme Programming.

Database systems

I have a solid knowledge of the SQL database query language. I have significant experience with Microsoft SQL Server 2000 and 2005. I also have experience with Oracle in the Windows platform and I have a working knowledge of PL/SQL. In UNIX environment (Linux and FreeBSD) I have worked with Oracle, PostgreSQL and MySQL

Operating Systems

I have significant experience in both the major platforms, UNIX (Linux, FreeBSD, Solaris) and Windows XP/2003. Especially in UNIX, I have considerable system administration knowledge (which constanly improves).
Furthermore I have systematically worked with networks. I have set up small local networks (Ethernet) with Name Server (BIND) and I have a knowledge of the TCP/IP protocols, both from an administrative and programming perspective.

2. Data analysis - Econometrics

I have a passion for econometrics and the analysis of data in general. For some time, I was contemplating a PhD in econometrics. This has lead to theoretical knowledge

and practical research experience, far above the usual for any BSc student. I have studied advanced linear algebra textbooks and the established post-graduate level textbooks in econometrics (Greene, Hamilton etc).
I have used all the well-known econometrics packages and I have significant experience with RATS, Eviews, Limdep, Shazam, SPSS. For example, I find it easy to conduct a simulation study (Monte-Carlo experiment). At the moment, I am developing my own econometrics program (in C++), which already has the basic functionality.

Personal interests

I am a photographer and mountaineer. I like to spend many weekends each year outdoors, photographing the greek nature. You can see the outcome here: www.diafragma.gr
The team spirit, that one develops during mountaineering and rock climbing, turns out to be very helpful whenever I have to cooperate with other persons for critical tasks.
I also like chess, ancient greek literature (in ancient greek), recreational math.