C# Tutorial

Saturday, November 5, 2005, 9:00 a.m. – 4:00 p.m.
Sarnoff Corporation Auditorium
Cost: $90 (Princeton ACM/IEEE-CS members), $100 (non-members)

The C# programming language is Microsoft’s contribution to the world of object-oriented programming languages. C# (“C-sharp”) combines the strengths of Java and Visual Basic, and C# can easily be used to create a desktop application with a graphical user interface, access a database, create and consume an XML web service, or create a web application. C# is designed to work with Microsoft’s .NET framework.

The .NET framework is a set of libraries and a virtual machine implemented for all versions of Windows. C# applications can interact with software written using other compilers that also target the .NET framework, such as VB.NET. .NET promises to support multiple programming languages and allow them to use the same set of common libraries. .NET puts an end to DLL hell and helps make Windows applications safer.

The course will include an overview of C# and the .NET framework, and it will show many small code samples that illustrate major features of Visual Studio .NET 2005. Microsoft’s premier development tool. The course will also illustrate events and delegates, XML web services, database access, and web development capabilities of .NET. One major goal of this course is to get people new to .NET over the learning hump and help them to start on the road to learning more about C# and .NET.

This course presumes that you have used a structured programming language such as C or Visual Basic, but no prior knowledge of Java is required. The course will include examples of object-oriented programming such as inheritance, encapsulation, and polymorphism for anyone not already familiar with them.

Pat Palmer lectures on software engineering and other topics in the CIS Department at the University of Pennsylvania, where she requires students to develop extensive projects in C#. Before lecturing at Penn, Pat was a consultant on information-sharing software systems within pharmaceutical and insurance companies. Her early career involved several years’ experience developing telecommunications software and systems in AT&T and Lucent.

ADVANCE REGISTRATION REQUIRED — fill out the registration form below.

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The registration fee includes the seminar course notes, lunch, and morning and afternoon coffee breaks.

Confirmed registrants will be notified by mail, provided registration is received at least one week before the seminar. Attendance is limited – register early.

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