

BOISE CODE CAMP AND TECH FEST 2009 LATE BREAKING SESSIONS



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A Quick Introduction to C

David Poole

A quick introduction to C. Why should I learn C in this modern Web 2.0 Cloud age? C isn't a niche language for only low level hardware and operating systems. C forms the foundation for all modern computer, yes, but most modern languages have their roots in C. C++, Java, C#, Perl, PHP, all have a C-like (or 100% compatible!) C syntax.

Learning C gives a glimpse "under the hood" as to how computers actually work. No matter what tools or languages are used, eventually the code needs to runs on real hardware. C gives access and experience to the real hardware. C shows the down and dirty problems of memory management, stacks, CPU instructions. Better knowledge of the realities of the underlying hardware allows engineers, no matter what languages we use, to write better code.

Bio
<http://www.twitter.com/linuxlizard> | dpoole@marvell.com

I'm currently an embedded engineer working at Marvell Semiconductor here in Boise. I do embedded C on MFP, specifically the scan/copy parts of our MFP (multi-function printer) products we do for HP. The HP LaserJet M1005 was the first shipping product I contributed to.

I did BS's in Computer Science and Mathematics at Montana Tech then did a MS in Computer Sci at Montana State. I graduated in 1994 and joined Extended Systems (right about the time Bob Lokken left). I worked on ESI's print servers for several years, did a short stint in the Advantage Database Server team, then worked on the ExtendNet VPN and ExtendNet Access Server team.

When ESI exited the hardware business, so did I. I did a few years at a startup, Telemetric, doing embedded DNP for electrical utility

management hardware. I joined Portsmouth (later Mobility) doing embedded Linux for their PDA USB+Network cradle products. When Mobility shut down the Boise office, I joined Agilent as the first engineer on their scanning firmware team. Agilent spun us off into Avago then Avago sold us off to Marvell.

Building Testable UIs in WPF and Silverlight

Glenn Block

These days UIs are all about richness. Companies are now moving in droves to develop WPF and Silverlight apps that provide a superior look and feel to their win forms counterparts. But what about testability? Do the former challenges around building testable UIs simply? You might think so, but the answer is no. The technology may have changed, but many of the same challenges exist, and introduces even some new ones, like what do I do when I have to work with a graphic designer? In the past we've pushed classic MVP as the design-pattern of choice for testability in smart clients. Does that statement still hold true? What about this Model-View-ViewModel thing? So many choices, so little time. Come to this session and we'll navigate the options and talk about pros and cons of each.

Bio

Glenn is a PM for the new Managed Extensibility Framework in .NET 4.0. Prior to Microsoft, he worked for 10 years in various startups and ISVs wearing many different hats all related to developing software.

Glenn has been writing code practically since the time he learned how to ride a bicycle. When he's not writing code, he's continuously improving on ways to build better software. Glenn is a geek at heart and spends a good portion of the rest of this time spreading that geekdom through conferences, and the community through groups such as ALT.NET.

When he's not working and playing with technology, he spends his time with his wife and four year old daughter either at their Seattle apartment or at one of the local coffee shops.

Continuous Integration with TeamCity

Richard Cirerol

Getting started with continuous integration with TeamCity, including integration with source control, adding build scripts, and generating artifacts, all the way through to deploying sites.

Bio

Richard is a developer with Synoptek working on a contract with Walt Disney Studios, Home Entertainment division. Prior to Synoptek, Richard was a contract employee with Hewlett Packard, and the State of Idaho.

Hands-on Workshop: Micro-Pairing and Test Driven Development

Stuart Celarier

Bring your laptop, pair up with someone else, and together we'll work through a hands-on session trying out Test Driven Development (TDD) with a Pair Programming technique called Micro-Pairing. In micro-pairing we swap the keyboard every two or three minutes, which keeps both people involved and active all the time. It's a technique I learned a few years back from Peter Provost and Brad Wilson (Microsoft patterns & practices) at the Seattle Code Camp, and we've been having a lot of fun with it in my workplace. Come and play, learn, and share what you find!

Bio

Stuart Celarier is Chief Software Architect of Aivea, a Microsoft Gold Certified Partner, and a Microsoft Most Valuable Professional (MVP) in Connected Systems. His career spans more than two decades of development, architecture, writing, and training, with a focus on new and emerging technologies. His professional interests include the current and next generations of Windows Communication Foundation (WCF), Windows Workflow Foundation (WF), "Oslo" modeling platform, "Dublin" application server extensions, "Geneva" claims framework, .NET Framework 4.0, and Windows Azure.

Stuart is co-founder of Portland Code Camp and frequently speaks at .NET user groups, conferences, and community events. He is a member of the Software Association of Oregon's Development SIG committee. Stuart is an INETA Speaker and has volunteered with INETA since 2003, including co-chairing the community-led Birds-of-a-Feather track at Tech•Ed 2005-2009 and PDC 2005. He blogs at <http://visualstuart.net>.

Smokin' Hot MS Office via VBA

Jim Thomas

You get a programming language with MS Excel, Word, Access, Powerpoint, etc. It allows you to automate repetitive tasks that otherwise take time, are boring and error prone. You can control the other Office programs from one. Ex. Put data in your Access/SQLServer/Oracle/etc database and click a button. The VBA programming runs. It takes the data, starts Word, opens a Word template, inserts data into the document, saves the document, then using Outlook, emails it as an attachment. And, it is smokin' hot FAST. With a little automation, we see productivity increase dramatically.

Bio

MS, Computer Science, extensive experience programming Visual Basic for Applications, designing and implementing relational databases using MS Access, SQL Server, Oracle, and MySQL. Teaches database design and programming topics for Boise State University and is the principal of JTCS LLC, a applications systems consultancy.

Spring for Java

Ed Lance

Spring's Core module gives the developer declarative control over object creation and assembly; this is useful for any tier of any Java application.

- Understand the scope, purpose, and architecture of Spring
- Use Spring's Inversion of Control to declare application components, rather than hard-coding their states and lifecycles
- Use Dependency Injection to further control object relationships from outside the Java code base
- Create validators for business objects, and associate them for application-level and unit-testing uses

Bio

Ed has more than 10 years of industry experience as a developer, project lead, technical trainer and manager. A constant student himself, Ed is a Sun Certified Java Programmer, has Bachelor's of Science in Management and Communications and is working on a Master's in Computer Information Technology.

In addition to occasional consulting work, Ed keeps his coding skills sharp writing courseware and hands-on labs His passion is learning, discussing and teaching Java, Eclipse, Object Oriented Principles and Practices, and related topics.

Ed also has a wide variety of business experience including 15 years in the restaurant industry, owning and operating a couple of small businesses, managing a medical practice and helping to start a pharmaceutical research company.

Web Testing with Watir (and Ruby)

Scott Schimanski

Watir, also known as Web Application Testing in Ruby, is a great open source tool for testing web applications. It is a library written in the Ruby language and has great support in the community. Scott will discuss how to get started in using Watir to test your web applications.

Bio

Scott has been a Tester, Developer and Project Manager at various points in his 15+ year career. Scott is a certified Scrum Master. He currently works at Healthwise as a QA Manager.