Computing Careers: The Bright Future
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Agenda

General Introduction
Stories that show how a computer science career can evolve into many different areas: management, design, implementation, architecture, product management, product marketing, venture capital analysis, intellectual property analysis, consulting and some of which, you cannot predict today. Why? Look no further than your iPhone!

Questions to Expect when I Interview You - A Practical Test
In essence, if you walk away with nothing else from this session, you will have a cheat sheet of questions that I ask of every single interview candidate presented to me for a design and implementation position. Included topics will be linked list management, searching algorithms, mathematical transformations, memory management, stack dumps, string manipulations, and general aptitude questions.

Changing Worldwide Landscape in Computer Science Competition
How can you be prepared for an increasing off-shoring movement with strong design and architecture skills? Would you know how to compete against an employee who has an advantage of a lower cost to deliver?

Gaining Domain Knowledge
Unlike twenty years back when a computer science degree was enough of a ticket for programming environments, many employers now expect domain knowledge for financial, medical, government, and other disciplines. How can you prepare yourself to attack these markets with a resume that contains more than just "programming"?

Software Development Process - Understanding CMM(i)
While many programming assignments in college are focused on your personal development, the truth is that business programs are often large scale team work endeavors. In order to deliver a program composed of five to ten million lines of code, what are the key process steps involved in managing that delivery process? Topics included are requirements management, project planning, project tracking, and configuration management with more advanced topics including organization process databases, software product engineering, intergroup coordination, and peer reviews. The import of metrics and measurements will be key elements in this discussion.

Questions and Answers
Student and faculty led discussion of topics of interest.

Biography:

Scott Jeffreys is Vice President, Development and Engineering for the Internet Security Business Unit, a joint partnership between CA and HCL/America. He is responsible for leading an international development team in the development and delivery of the consortium’s entire Threat Management product portfolio including Integrated Threat Management, CA Anti-Virus, CA Pest Patrol, and CA/Host-Based Intrusion Prevention System. He led the creation of the Antimalware Software Development Kit and CA/HIPS Toolkit, two flexible product development kits designed to allow threat protection assets including malware protection, firewalls, sandboxes, and packet inspection security to be easily integrated into CA and third party solutions.

Prior to joining CA in 2005, Scott spent nineteen years in the financial services industry with Reuters America where he was Senior Vice President, Head of Regional Development, based in New York. He is well versed with the requirements in Equities, Treasury, Investment Banking, and Asset Management as well as integration with Financial Trading Room environments. Scott developed the Customer Technology Alliance program at Reuters which brought together the corporation’s Strategic Innovations with the top twenty Global International Accounts.

Scott graduated from Hofstra University in 1982 with a Bachelor of Science degree in Mathematics, Phi Beta Kappa honors, and dual minor degrees in Economics and Computer Science. While earning his Master’s Degree in Mathematics at Adelphi University in 1984, he was also part of the Adjunct Computer Science faculty at Hofstra University teaching courses in computer fundamentals. His research interests have led to patents in computer graphics processing and financial portfolio management and modeling. He is a noted author on topics impacting the national Harness Racing industry having been published many times over the last decade.