

Chris Boesch

School of Information Systems
Singapore Management University
80 Stamford Road
Singapore 178902

cboesch@smu.edu.sg
Office phone: +65-6808 5110



Date of CV revision: 12th May2010

Citizenship: USA
Singapore Residency Status: PR

EDUCATION:

1998 - 2004	Ph.D. in Computer Science Nova Southeastern University
1989 - 1994	Bachelors in Electric Engineering Auburn University

CAREER HISTORY:

May 2010 – Present	Singapore Management University School of Information Systems Faculty
April 1999 – May 2010	Dell Inc. Regional Director Software Engineering
July 1994 – April 1999	Texas Instruments/Acer Advanced Labs Development Manager
Dec 1987 – Dec 1996	United States Marine Corps Reserve Communication Watch Supervisor

PROFESSIONAL ACTIVITIES:

Developed a cloud-based system to help high school students at the International Community School in Singapore practice Python

Speaker at the 2009 Software Freedom Day - Presented on Cloud Computing in Singapore.

Guest Panel Member at the SMU Advisory Board to provide technical insight for iJam grant applications

Active member of the Singapore Python, Java, Ruby, and Linux user groups

RESEARCH INTERESTS:

Platform-as-a-Service (PaaS): As solutions are re-architected to take full advantage of Infrastructure-as-a-Service (IaaS) offerings from various cloud providers, I am interested in the tradeoffs associated with moving solutions towards PaaS offerings which are less dependent on the conceptual and mental models which most IaaS offerings are based.

NP Problems: I am interested in nondeterministic polynomial time problems where verifying solutions to real-world problems can now be done efficiently with modern information systems but automatically producing valid solutions is still considered unfeasible. I am interested in how NP theory can be applied to more efficiently tap into the diversity of the crowd as well as how NP theory can be applied to teach various subjects in more challenging and engaging ways.

PUBLISHED REFERRED JOURNALS:

PUBLISHED REFERRED CONFERENCE PAPERS:

Presenting a paper at PyCon Asia Pacific 2010 titled Teaching Python in a team-based learning environment using freely available web services

OTHER PUBLICATIONS:

US Patents (16 filed with 4 granted)

Build-to-order Embedded Operating System Partition - 7,519,803 ([link](#)) Granted Apr 14, 2009.

Control of Policies for Setting File Associations When Configuring Information Handling Systems ([link](#)) Filed Oct 30, 2006

Virtualizing Portals for Electronic Commerce ([link](#)) Filed Sept 30, 2005

Content Download Experience ([link](#)) Filed Nov 18, 2005

Centralized Third Party Software and Services Upgrading and Authorization ([link](#)) Filed Nov 18, 2005

Proactive After Point of Sale Qualified Subscription Product Presentation ([link](#)) Filed Apr 7, 2004

Customized support experiences based on POS choices ([link](#)) Filed Jun 1, 2004

Method for Transferring Purchased and Downloaded Content to a New Information Handling System by Consuming Additional Content Rights ([link](#)) Filed Oct 26, 2004

Local Photo Printing ([link](#)) Filed Dec 2, 2004

Portable computer with low voltage differential signalling adapter - 6,570,561 ([link](#))
Granted May 27, 2003

Process for Restoring Upgrade Keys or Promotional Offers Using a Unique Identifier
([link](#)) Filed Jan 13, 2003

Method and System for Automated Validation, Scripting, Dissemination and Installation
of Software ([link](#)) Filed Sept 9, 2003

Configuration of Systems with Services ([link](#)) Filed May 2, 2002

System and Method for Using Resources of a Computer System in Conjunction with a
Thin Media Client ([link](#)) Filed Jan 26, 2001

Method and apparatus for providing a portable computer with hot pluggable modular
bays - 5,822,547 ([link](#)) Granted Oct 13, 1998

Portable computer with multiple zoom port interface - 5,841,994 ([link](#)) Granted Nov 14,
1998