

Jong Hoon Ahnn

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Principal Fields of Interests:

- Major Research Interests : Distributed Systems, Computer Networks
- Minor Research Interests : Ubiquitous Multimedia Systems, Computer Security

Publication:

- **Using Live Distributed Objects in Office Automation** May/2008
Jong Hoon Ahnn, Ken Birman, Krzysztof Ostrowski, Robbert Van Renesse
Middleware 2008, In submission
- **Programming with Live Distributed Objects** May/2008
Krzysztof Ostrowski, Ken Birman, Danny Dolev, Jong Hoon Ahnn
ECOOP 2008, Cyprus (July 2008)

Conference:

- **Live Distributed Objects: Enabling the Active Web** Oct/2007
TRUST(Team for Research Ubiquitous Secure Technology) Autumn 2007
Presented by Prof. Ken Birman with [a demo by Jong Hoon Ahnn](#)
- **Live Objects using in Office Automation settings** Feb. 27, 2008
BOOM(Bits On Our Minds) 2008, Computer Science, Cornell University
Jong Hoon Ahnn, Krzysztof Ostrowski, and Ken Birman

Education:

- **UNIVERSITY OF CALIFORNIA** at Los Angeles – Ph.D. Computer Science Sept/2008 – Aug/2013
- **CORNELL UNIVERSITY** – M.Eng. Electrical and Computer Engineering Aug/2006 – May/2007
- **UNIVERSITY OF ILLINOIS** at Urbana Champaign - Intensive English Institute Aug/2005 – Dec/2005
- **HANYANG UNIVERSITY**, S.Korea – B.S Electrical and Computer Engineering Mar/1997 – Dec/2004

Research Experience:

“QuickSilver Live Objects” Project May/2007 – July/2008

- **As a Visiting Scientist in Computer Science Dept. at Cornell**
- Implemented Distributed Live Objects enabling Active Web based on an exceptionally scalable multicast infrastructure and a clean integration with the runtime environment.
- Faculty sponsor : Prof. Ken Birman

Project:

“Prototype of the scalable Web 3.0” Project at Cornell Mar/2007 – May/2007

- Created a prototype of the scalable Web 3.0 using .XNA framework and Quicksilver based on users’ interactive environment.
- Faculty sponsor : Prof. Kenneth P. Birman

“Overlay Network” Project at Cornell Jan/2007 – Feb/2007

- Created an overlay network for a set of nodes that will overcome a certain type of Internet failure.
- Faculty sponsor : Prof. Kenneth P. Birman

“Bio-Medical Image Segmentation” Project at Cornell

Sep/2006 – May/2007

- Measurement of the Lung Volume from Three-Dimensional CT Images
- Fully Automatic Segmentation of the Brain in MRI
- Faculty sponsor : Prof.. Anthony P. Reeves

“Secure and Verifiable Electronic Voting System” Project at Cornell

Sep/2006 – Dec/2006

- Designing a secure and reliable system relies on an analysis of attacks, accidental failures and intentionally malicious code.
- Faculty sponsor : Prof. Andrew Myers

“NASA Robotics” Project at Cornell

Sep/2006 – May /2007

- Designed and implemented the Protocol for Wireless Communications between Robots.
- Sponsor : National Aeronautics and Space Administration (NASA)

Work Experience:

ANY Corporation , S.Korea / *Researcher*

Jan/2005 – June/2006

- “TFT LCD Monitor for G.E and Siemens Medical Solutions” – Made Firmwares of the monitors
- “Digital Video Recorder (DVR) Solution” - Made a tool to monitor intruders through the internet and mobile devices
- Tool : Windows CE, Windows 2003 Server / C, C++, HTML

MGAME, S.Korea / *Researcher*

Apr/2003 – Dec/2004

- “Online Bomberman” game team - Developed a login server, a game server using TCP/UDP, a monitoring tool for the server, and a script engine for the server
- Designed network protocols for a network game and encryption for packets
- Designed and optimized DB schema for a game server
- Tool : Windows 2003 Server, Suse Linux, C, C++, MFC , MS-SQL

MOBILEONE COMMUNICATIONS, S.Korea / *Senior Researcher*

Oct/2001 – Apr/2003

- “Net-Game Pack Solution” - Created a platform server for mobile network games and network libraries for game developers on cell phones
- Made a game hybrid server for both wired and wireless clients
- Tool : Windows 2000 Server, Embedded system (BREW) / C, C++, C#, JAVA, MS-SQL

FINDTECH, S.Korea / *Assistant Researcher*

Mar/1999 – Jul/2001

- “Internet Video Indexing (i-VIBS) Solution” - made Web pages to manage video data
- “Home Video Editor (i-CAM) Solution” – made parts to save video data edited as a MPEG-1,2 format and created a video CD using the video data
- Tool : C, C++, MFC, CGI, XML, MDB, MS-SQL, Windows Media Server, DirectX

Award:

- BOOM 2008, Computer Science, Cornell University
Jong Hoon Ahnn, Krzysztof Ostrowski, and Ken Birman

Feb. 27, 2008

Teaching Experience:

- PLUS EDUCATIONAL INSTITUTE, S.Korea / Training Coordinator
Conducted training in Web Programming : HTML, ASP, Javascript, MS-SQL

Oct/1999 – Dec/1999

Certificate:

- *Microsoft Certified System Engineer* (MCSE)
- *Information Processing Certificate* (in S.Korea)

July/1999

Aug/2001