

CURRICULUM VITAE

August 1, 2023

Name: Kwang B. Lee

Rank: Adjunct Professor

Year Appointed: 2015

Department: Computer Science and Information Systems

Academic Degrees:

Degree	University	Date (Year)
Ph.D.	Rensselaer Polytechnic Institute	2003
M.S.	Texas A&M University-Commerce, Commerce	1999
MBA	Ajou University	1993

Teaching:

- CSCI-526 Database Systems
- CSCI-530/430 Operating Systems
- CSCI-509 Introduction to Computational Science & Statistics
- CSCI-359 Systems Analysis & Design
- CSCI-352 Introduction to Digital Forensics
- CSCI-233 Application Program Development
- COSC-1437 Programming Fundamental II
- COSC-1301 Introduction to Computing

Research and Scholarly Activities:

Publication:

- Kwang Lee, Developing Mobile Learning Application based on Adaptive UIs, East Stroudsburg University, PACISE Conference, March 2023
- Kwang B. Lee and Jamie W. Lee, Developing of Mobile Adaptive learning Application using Adaptation Layer, *International Journal of Interactive Mobile Technologies*, Vol. 11, Issue 3, March 2022, ISBN 2278-0181.

- Kwang B. Lee and Jaesung Sim, Design and Development for Mobile Adaptive Layer in Mobile Learning Applications, *International Journal of Interactive Mobile Technologies*, Vol. 10, Issue 2, February 2021, ISBN 2278-0181
- Kwang B. Lee and Raied Salman, The Design and Development of Mobile Collaborative Learning Application using Android, *Journal of Information Technology and Application in Education (JITAE)*, Vol.1, No. 1, 2013, ISBN 2227-6459
- Kwang Lee and Khethavath Praveen, Introduction to Mobile Learning Systems and Usability Factors, *Third Conference on Theoretical and Applied Computer Science (TACS 2012)*, held by Oklahoma State University, Stillwater, OK, USA, February 2012
- Kwang B. Lee, Developing Mobile Collaborative Learning Applications for Mobile Users, *International Journal of Interactive Mobile Technologies*, Vol.5, No. 4, 2011, ISBN 1865-7923
- Kwang Lee and Abdul Razaque, Suggested Collaborative Learning Conceptual Architecture & Applications for Mobile Devices. *HCI International 2011*, held by HCI International Organization in Orlando in Florida, July 2011
- Abdul Razaque, Kwang Lee, R. Salman, and Farzan Soroushi, Proactive Patch Peer for Video-on-Demand Streaming in Hybrid Network. *IADIS International e-Society 2011*, Avila, Spain, March 2011, ISBN 978-972-8939-46-5
- Kwang B. Lee, Using Zooming Applications for Mobile Devices, *Advances in Human-Computer Interaction*, published by Excellence and Education Publishing, ISBN 978-3-902613-38-7, August 2008
- Kwang B. Lee, Support Zooming Tools for Mobile Devices, *HCI International 2007*, held by HCI International Organization in Beijing China, July 2007
- Kwang B. Lee and Roger A. Grice, The Design and Development of User Interface for Voice Applications in Mobile Devices, *IPCC 2006*, held by IEEE Professional Communication Society, October 2006
- Kwang B. Lee and Roger A. Grice, Developing a New Usability Testing Method for Mobile Devices, *IPCC 2004*, held by IEEE Professional Communication Society, September 2004
- Kwang B. Lee and Roger A. Grice, Embedded-Zooming Applications for Personal Digital Assistants (PDAs), *IPCC 2003*, held by IEEE Professional Communication Society, September 2003
- Kwang B. Lee and Roger A. Grice, Adaptive Viewing Methods for the Web on Personal Digital Assistants (PDAs), *SIGDOC 2003*, held by ACM, October 2003
- Kwang B. Lee and Sang C. Suh, "Integration of Regression Analysis with Association Rules for Effective Data Mining," *EXPERSYS-98 (Artificial Intelligence Applications, Subject Editor: Derya A. Jacobs)*, pp83-88, IITT International, France, 1998, ISBN 2-907669-36-2
- Kwang B. Lee, A Design and Development of Marketing Information System for Pharmaceutical Companies, *Korean Journal of Pharmaceutical Industry*, KPMA, July 1994
- Kwang B. Lee, The Report of Computerization Korea Pharmaceutical Industry, *National Information Paper*, National Computerization Agency in Korea, 1994

Grants:

- Unity Education Grant License from Unity Technologies, (15 installation × \$1,800 = \$27,000), Spring 2020.
- 05/21/2012 ~ 08/17/2012, “Online Course Developer,” supported by Strayer University, USA, \$3,000.00
- 01/01/2007 ~ 03/31/2007, “Mobile Multimedia Research Center,” supported by IITA (Institute for Information Technology Advancement, South KOREA, \$6,000.00

Services:

University, College, and Department:

- Adjunct Faculty, Computer Science department in Tomas Edison State University. Oct. 2009 ~ Current
- Adjunct Professor, Computer Information Systems department in Strayer University, Aug. 2008 ~ Mar. 2016
- Professor. Computer Science department in the University of Northern Virginia. June 2007 ~ August 2012

Professional:

- Patent Examiner in The United States Patent and Trademark Office. July 2012 ~ February 2019
- Senior Software Engineer in SAMSUNG. November 2003 ~ May 2007
- Database Software Engineer in Korea Pharmaceutical Manufacturers Association. May 1993 ~ August 1996

Professional Development (Attendance at Workshops and/or Trainings)

- Integrating ChatGPT into Education: ODUGlobal and The Research Institute for Digital Innovation in Learning, 07/31-08/01/2023
- Unity for Educators: Create with VR for Educators from Unity Education Center, 08/02 – 08/26/2021
- Improve student outcomes with Machine Learning from Amazon, Completed: 09/16/2020
- Apply Machine Learning to detect patterns of fraud, waste, and abuse from Amazon, Completed: 09/14/2020
- Embedding Analytics in Your Applications from Amazon, Completed: 08/24/2020
- Introduction to AWS for Research IT from Amazon, Completed: 08/12/2020
- Oracle Academy webcast: Teaching Primavera P6 in a virtual environment from Oracle Academy Team, Completed: 08/12/2020
- How to Create Generalizable AI begins from ACM Learning Center, Completed: 08/11/2020
- Unity for Educators: A Beginner's Guide from Unity Education Center, Completed: 08/04/2020

- 5G Radio Technology, USPTO 2018 Tech Fair, Completed: 03/12/2018
- Recognition by Machine Image Processing and Analysis, USPTO 2018 Tech Fair, Completed: 03/13/2018
- Machine Learning, USPTO 2018 Tech Fair, Completed: 03/13/2018
- Video Compression Technical Overview, USPTO 2017 Seminar, Completed: 1/26/2017
- Intermediate JavaScript/Intro to jQuery, USPTO 2017 Seminar, Completed: 2/21/2017
- Convolutional Neural Networks for Image Recognition, USPTO 2017 Seminar, Completed: 3/13/2017
- Machine Learning, USPTO 2017 Seminar, Completed: 5/8/2017
- Self-Organizing Small Cell Networks, USPTO 2014 Seminar, Completed: 12/3/2014
- 5G communication systems -- technical goals and key enablers, USPTO 2014 Seminar, Completed: 12/3/2014
- iRobot Robotics Presentation, USPTO 2014 Seminar, Completed: 12/2/2014
- A brief history of video coding, USPTO 2014 Seminar, Completed: 12/1/2014

Professional and Academic Association Memberships:

- Member of ACM (Association for Computing Machinery) since 2002
- Member of KSEA (Korean-American Scientist and Engineers Association) since 2002