

Resume of Stephen Y. Song

ACADEMIC EXPERIENCE

2018-Present Department of Architecture Prairie View A&M University
Assistant Professor of Practice
Director of Fabrication Center

2007-2017 Department of Architecture Prairie View A&M University
Visiting Assistant Professor
Digital Media Coordinator

- Teaching Introduction to Multimedia Computing Course using Photoshop, Dreamweaver, and Flash and Advanced Computer Aided Design using Revit Architecture and 3D MAX and Rhino 3D.
- Operating and administrating digital equipment and computer laboratory.
- Coordinating and planning digital equipment ordering and purchasing
- Coordinating digital fabrication equipment.

2008- 2009 Continuing Education Lone Star College, Cy-Fair
Adjunct Professor

- Teaching 3D Max 3D modeling and Revit BIM.

2002-2007 Department of Architecture Prairie View A&M University
Visiting Assistant Professor

- Teaching 1st year Design Studio, Introduction to Multimedia Computing Course (Photoshop, Dreamweaver, FrontPage, and Flash) and Introduction (AutoCAD and Architectural Desktop) and Advanced Computer Aided Design (SketchUp, Revit and 3D VIZ)
- Operating and administrating digital equipment and computer laboratory.

2001 Department of Architecture Prairie View A&M University
Visiting Assistant Professor

- Teaching 3rd year Design Studio and Introduction to Multimedia Computing course.

2000 Department of Architecture Texas A&M University
Research Assistant / Teaching Assistant

- Teaching assistant for Facility Information Management Class.
Responsible for developing teaching contents and teaching assist for AutoCAD, ARCHIBUS software use, and Web application development.

1997–1999 CRS Center Texas A&M University
Research Assistant

1996-1997 Department of Architecture Texas A&M University
Research Assistant

- Completed research project of delivery of as-built information for United Services Automobile Association (USAA) company:

September 1, 2018
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Responsible for functional and process analysis, development of prototype building information system for facility operations using Web technology, and writing a report.

- Completed research project of information technology for USAA:
Responsible for developing framework of collaboration, work process automation for facility management and writing a report.
- Evaluated Industrial Foundation Classes (IFC) for Move management:
Responsible for analyzing the problems and providing comments to the development team and writing a report.
- Network and system administration
Responsible for Windows NT network administration and software configuration.

FABRICATION EXPERIENCE

2017-Present New Fabrication Center, School of Architecture, Prairie View A&M University Acting as Technology consultant for specifications of fabrication equipment and purchasing. Digital Fabrication specialist for design studios.

2017-2018 CURES Center, School of Architecture, Prairie View A&M University Granted Title III fund and set up 3D laser scanning and digital fabrication lab and remodeling the center. Conduct research on historic building preservation documentation

2017 Fabrication lab safety training at Fabtech exhibition and workshop, Chicago IL.

2017 Educational Advisory committee at Stratasys, Orlando, FL.
Academic Advisory and Digital Fabrication Training for 3D printing.

2016-2017 Graduate and NWHC fabrication lab, School of Architecture Prairie View A&M University Granted Title III fund and set up Graduate and NWHC fabrication lab. Digital Fabrication specialist for design studios.

2016 Fabrication lab safety training at AWF Conference and workshop, Las Vegas IL.

2015-2016 Fabrication lab, School of Architecture, Prairie View A&M University Granted Title III fund and set up Laser, CNC equipment and 3D printer in the fabrication lab. Digital Fabrication specialist for design studios.

2015 Digital Fabrication Training for Laser System at Universal Laser, Fort Worth, TX

2015 Digital Fabrication Training for 3D Printer at Tech-Lab, Houston, TX

2015 Digital Fabrication Training for CNC Router and Plasma at MultiCam, Dallas TX

2015 Digital Fabrication Training at TexFab Workshop, University of Texas Austin, TX

2014 Digital Fabrication Training at TexFab Workshop, University of Texas Arlington, TX

2013 Digital Fabrication Training at TexFab Workshop, University of Texas San Antonio, TX

2005-2015 Fabrication lab, School of Architecture, Prairie View A&M University, Fabrication advisor and supervisor for design studios.

2002-2017 Fabrication lab, School of Architecture, Prairie View A&M University, Fabrication advisor and supervisor for annual AIA sandcastle competition team.

1995 Modelshop safety training at Department of Architecture Texas A&M University, College Station, TX

1993 Modelshop safety training at Department of Architecture University of Michigan, Ann Arbor MI.

1990 Modelshop safety training at Department of Architecture Illinois Institute of Technology, Chicago IL

1987-1988 Designer and supervisor, Samchang Co., Inc Seoul Korea
Construction Supervisor for Residential and commercial building projects.

EDUCATION

1994–2000	Texas A&M University	College Station, TX
▪	Ph.D. program in Architecture	
1989-1992	Illinois Institute of Technology	Chicago, IL
▪	Master of Architecture	
1985- 1987	Hanyang University	Seoul, Korea
▪	B.S. in Architectural Engineering	
1978-1983	Hanyang University	Seoul, Korea
▪	B.S. in Material Engineering	

PROFESSIONAL EXPERIENCE

1993	Anderson and Oh Associate	Chicago, IL
Designer and CAD drafter		
▪	Completed Shinra Hotel complex master plan in Seoul, Korea. Responsible for CAD draft.	
▪	Completed Civic museum master plan in Pusan, Korea. Responsible for design.	
▪	Completed Samsung office building complex master plan in Seoul, Korea. Responsible for CAD draft and design.	

1992 Schulaeger and Taniguchi Associate Chicago, IL
Intern Designer

- Planning and design of Healthcare facility.
Responsible for site plan design and drawings.

1987-1988 Samchang Co., Inc Seoul, Korea
Designer and Construction Supervisor

- Planning and design commercial buildings in Seoul, Korea.
Responsible for design and drafting and supervising construction
- Design residential houses in Seoul, Korea.
Responsible for design and drafting and supervising construction

PROFESSIONAL
HISTORIC
PRESERVATION
PROJECTS

2017 Pancha Deval Hindu Temple, UNESCO, Kathmandu, Nepal
3D Laser Scan and reconstruction documentation for historic building
preservation

2017 Cane River Creole National Park African Slave Cabin, Nachitoches,
LA **3D Laser Scan** and reconstruction documentation for historic building
preservation

2017 Addie and A.T. Odom Homestead, Shankleville, TX
3D Laser Scan and reconstruction documentation for historic building
preservation

2016 1803 Historic Fire Station No. 3, Galveston Historic Foundation
Galveston, TX **3D Laser Scan** and reconstruction documentation for
historic building preservation

2015 1850 Nichols-Rice-Cherry House in Sam Houston Park, Houston
Historical Society Houston, TX **3D Laser Scan** and reconstruction
documentation for historic building preservation

2015 1857 Baylor Female College, Independence, TX
3D Laser Scan and reconstruction documentation for historic building
preservation

PUBLICATIONS

State of the Art Laser Scanner. (Co-author: William Batson, Pankaj
Chhetri and Stephen Song) REVIEW Research Excellence at the View.,
pp38-39, 2018 Prairie View A&M University.

3D Laser Scanner: Standard use in architectural curricula (Co-author:
William Batson, Pankaj Chhetri and Stephen Song) AASA Conference on
Innovation and the future of architecture, 2016 UTS School of Architecture.

The Strategic implications of e-commerce for the design and construction
industry (Co-author: Robert Johnson, Mark Clayton, Ge Xia, Jeonghan

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Woo and Yunsik Song) *Engineering, Construction and Architectural Management Journal* 9/ 3, pp 241-248, 2002 Blackwell Science Ltd.

Anticipating reuse: Documenting buildings for operations using Web technology. Jan 2002 *Automation in Construction Journal*, Elsevier Science. Co-authors: Mark J. Clayton, and Robert E. Johnson.

Data for reflection: Monitoring the use of Web-based design aid. Proceedings of ACADIA '2001 annual conference. Buffalo, New York. 2001. Co-authors: Mark J. Clayton, Kiran Darapureddy, Hani Al-Kahaweh, Kyu Han, and Inchul Soh

Documenting design rationale using Web technology. Proceedings of CAADRIA annual conference, Singapore. May 2000.

Research Agenda for the AEC Community in 2000 and Beyond, Berkeley-Stanford Workshop: Defining a Research Agenda for AEC Process/Product Development in 2000 and Beyond, Stanford University, Aug 25-28, 1999. Co-authors: Mark J. Clayton, and Robert E. Johnson.

Just-in-time documentation for delivering and managing building information. ACSA proceeding, 1999. Planning to publish on September, 1999. Co-authors: Mark J. Clayton, Robert E. Johnson.

Down stream of design. CAAD futures, 1999. Co-authors: Mark J. Clayton, Robert E. Johnson.

Facility Management in the Information Age. World Workplace '98 Conference Proceedings, Chicago, Oct 18-20, 1998. Co-authors: Mark J. Clayton, Robert E. Johnson.

Delivering Facility Information Using Intranet Technology, Digital Design Studios: Do computers Make a Difference? Proceedings of ACADIA '98 annual conference, Quebec City, Canada, Oct 22-25, 1998. Co-authors: Mark J. Clayton, Robert E. Johnson, and Jamal Al-Qawasmi.

Development of an Architectural Museum in Chicago, Master thesis, Illinois Institute of Technology, 1992.

AFFILIATION

Forum Member of National Trust for Historic Preservation
Member of Preservation Texas
Member of Association for Computer Aided Design in Architecture (ACADIA)
Member of Association for Computer Aided Design Research in Asia (CAADRIA)
Member of Association of Collegiate School of Architecture (ACSA)