

William Kenneth Krueger

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PROFESSIONAL PROFILE

Detail-oriented architectural professional with an exceptional working knowledge of construction processes. Advocate of ongoing design-team interaction and focused on the holistic success of each individual project by building excellent relationships and maintaining the integrity of clear and concise workplace communications. An Educator at the University of Wisconsin - Milwaukee, (UWM) School of Architecture and Urban Planning, (SARUP) with a passion for Historic Preservation technologies. The purpose is the highlighting, furthering, and sustaining research that examines the legacy and limitations associated with the preserving and conserving, of the world's cultures and heritage.

EDUCATION

Master of Architecture , University of Wisconsin - Milwaukee	2006
Certificate in Historic Preservation Studies , University of Wisconsin - Milwaukee	2006
Bachelor of Science Degree , Architectural Studies, University of Wisconsin - Milwaukee	2001

TEACHING EXPERIENCE

Guest Lecturer ARCH 760 "History of Building Technologies" **Spring 2008 – Present**

Adjunct Professor Architecture Studio 320 **Spring 2020**

Adjunct Professor – ARCH 297/797 Study Abroad "Beneath the Veil of Mt. Vesuvius"
Summer 2019

Subjects of Architecture, Art, Archaeology, Archiving, BIM Documentation.

This course will allow students to understand principles of digital documentation in a field school in Italy emphasizing 3D laser scanning technology and analytical theories and methods.

Adjunct Professor Architecture Studio 310 **Fall 2019**

Adjunct Professor Architecture Studio Course 615/815 "Intelligent Building Skins" **Fall 2016**

Faculty Assistant – UWM SARUP Historic Preservation Institute (HPI) Japan Summer 2005-6

Taught graduate and undergraduate architecture students for **Japan** Preservation Studies program, an intensive three-week program of lectures and workshops creating existing conditions drawings of an early 20th century traditional Japanese "Ryokan" inn.

Faculty Assistant – UWM SARUP HPI **Italy - Summer 2005**

Taught graduate and undergraduate architecture students for the Restoration and Preservation Studies Program in **San Gemini, Italy**.

Faculty Assistant – UWM SARUP HPI

Japan – Summer 2005

Assisted in the organization and development of the Institute’s **Japan** Preservation Studies program, an intensive three-week program of lectures and workshops.

Teaching Assistant – UWM SARUP HPI

Summer 2003-04

Taught graduate and undergraduate architecture students for the Restoration and Preservation Studies Program in **San Gemini, Italy** for two years.

Architectural Thesis Committees

Thesis Committee – Alanna Van Handel

Spring 2021

Thesis Committee – Ben Washburn

Spring 2020

Thesis Committee – Tia Milkova

Spring 2019

Thesis Committee – Luke Diewald - Henry Adams Medalist

Spring 2019

Thesis Committee – Randall Schoen

Fall 2018

Thesis Committee – Katelyn Menuge

Spring 2016

Thesis Committee – Sarah Freymuth

Spring 2005

ACADEMIC EXPERIENCE

Field Researcher UWM SARUP HPI – LiDAR Documentation

Italy Summer 2018-19

Provided Lidar and AUTOCAD services to archeological digs in the areas surrounding Mt. Vesuvius in Southern Italy.

Sites included Pompeii, Villa Ariana and Villa San Marco. The entities collaborated with were: University of Maryland, Cornell University, Redding University, Southwestern University, Ludwig Maximilian University-Munich and the Hermitage Museum in St. Petersburg Russia.

Director of Documentation UWM SARUP, HPI

Fall 2015-Present

Director duties are to train students in the various means and methods of documentation.

These vary from traditional practice of hand measurements and sketching to using ultramodern technologies.

The purpose is highlighting, furthering, and sustaining research that examines the legacy and limitations associated with preserving, conserving, of cultural heritage. The goal is documenting the architectural and landscape fabric of the world’s cultures and heritage.

Field Researcher UWM SARUP HPI – LiDAR Documentation

Italy Summer - 2008

Provided LiDAR and AUTOCAD services and training to students in building documentation and archeological digs in the areas surrounding San Gemini, Italy.

Preservation Researcher - UWM SARUP HPI

2002-06

Conduct historic and architectural research for the School of Architecture and Urban Planning, Historic Preservation Institute.

Instructional Program Manager of Woodshop and Rapid Prototyping Lab UWM SARUP

Fall 2009 & Fall 2012-Present

Instruct and supervise graduate and undergraduate architecture students in the use and safety of all equipment.

Building Chair UWM SARUP

Fall 2015- Present

Direct maintenance upkeep and care of entire facility.

Serve as liaison between Facility Services, Campus Security, Vice Chancellor, Administrative Affairs, Network Operation Center and all other Building Chairs.

Building Chair Alternate UWM SARUP

Fall 2012-Spring 2015

Academic Staff Senator

Fall 2017- Present

The Senate of the Academic Staff is the official governance body for the academic staff and represents UWM academic staff interests to our campus administration, UW System Administration and the Board of Regents

PROFESSIONAL EXPERIENCE

NCARB - Began certification process for licensure as an Architect through NCARB.

Fall 2020

Vice President SIGHTLINE LLC, Milwaukee, WI

2007-2017

Developed guidelines adopted by the **State of Wisconsin, Milwaukee County and City of Milwaukee** for use of laser scanning data as form of archiving and reproducing architectural elements such as ornate features and statues.

WILLIAM KRUEGER DESIGN, Milwaukee, WI

2006-Present

Freelance designer and consultant.

HISTORIC PRESERVATION DEPARTMENT, CITY OF MILWAUKEE

2006-08

Wisconsin's largest municipally sponsored historic preservation department.

Consultant

- Direct the application of historic structure standards, building codes and federal, state and local regulations.
- Advise owners of historic structures on the documentation requirements and filing procedures, resolving technical issues arising from proposed restoration and renovations projects.
- Conduct research of historic structures and related historical figures.

BUILDING BLOCKS, Chicago, IL

2005-2007

Midwest business representative for Gladding – Mc Bean, leading international manufacturer of terra cotta for the architectural restoration profession.

Project Liaison

- Manage the day-to-day communication between the manufacturer, building contractors and architects for the terra cotta restoration of Milwaukee's City Hall, one of the largest and most historic structures in the State of Wisconsin.

- Conduct field identification and assessment of the building’s terra cotta surfaces.
- Manage precise measurement program for terra cotta manufacturer.
- Direct team responsible for record keeping, inventory and storage of historic building components.

RELATED EXPERIENCE

- Caretaker of the historic Frank Lloyd Wright American System home located at 2714 West Burnham Street, in Milwaukee, WI. As a caretaker I was responsible for the maintenance and general up-keep of the home and grounds. Act as docent for the property. **2004-6**
- As an architecture student I spent three weeks exploring the culture, art and architecture of Peru. From the modern city of Lima to the ancient ruins of Machu Picchu. **January 2000**

FABRICATION EXPERIENCE

Fabrication Facilities Experience - 15 years

- Tool room, maintaining wood working tools and tooling.
- Operating various metal working machines; mills, drills, lathes, and CNC's.
- "Certified Mechanical Inspector" rating from the American Society for Quality Control.

Dairy farming – 10+ years

- Operation, maintenance and repair of equipment and heavy machinery.
- Building construction, maintenance and woodworking.
- Animal husbandry.

PRESENTATIONS

- Presenter** Vesuvian Institute **“Merits of Laser Scanning”** Restoring Ancient Stabia Foundation Castellammare di Stabia NA, Italy. **August 2019**
- Presenter** Pecha Kucha: **“The Career Path Less Traveled”**. Milwaukee, WI **September 2019**
- Presenter** Wisconsin Technology Education Association Convention, **“Moving sTEm Forward”** Wisconsin Dells, WI. **March 2017**
- Presenter** Wisconsin Technology Education Association Convention, **“Technology & Engineering: Architects of the Future”** Wisconsin Dells, WI. **February 2016**
- Delegate** to The10th World Conference of Historical Cities, Ballarat, Australia. **October 2006**
- Guest Lecturer-** Ballarat University, Ballarat, Australia. Topic - Frank Lloyd Wright American System Built Homes. **October 2006**
- Presenter** - White paper on creation of BIM models using 3D laser scanning technology, SPAR Conference, Houston, Texas. **2010**
- Primary Lecturer** - BIM Through 3D Laser Scanning Technology, user roundtable, SPAR Conference, Houston, Texas. **2010**

AWARDS CERTIFICATES

“Certificate of Appreciation” Restoring Ancient Stabia Foundation.	August 2019
“Unsung Hero Award” University of Wisconsin – Milwaukee.	Spring 2019
“Certificate of Appreciation” Wisconsin Technology Education Association Convention, Wisconsin Dells, WI.	March 2017
“Certificate of Appreciation” Wisconsin Technology Education Association Convention, Wisconsin Dells, WI.	February 2016

COMMITTEES/MEMBERSHIPS/AFFILIATIONS

Association for Preservation Technology International (APTI), Documentation Technology Committee Member	2014-Present
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