

# Shahzia Sarwar Shazi

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## Summary of Qualifications:

- Experienced faculty practiced at teaching graduate and undergraduate level courses aimed at students concentrating in computer applications in the field of urban design.
- A trained designer with expertise in architecture, urban design, comprehensive master planning, creative concept development, and 2D/3D visualizations.
- Outstanding working knowledge of computer applications relevant to architecture, urban design, graphics and planning (Adobe Creative Suite + 3D Studio Max with Vray lighting + Google SketchUp + Computer Aided Design).
- Excellent motivational and instructional skills.
- An accomplished photographer, specializing in landscape, portraits and events categories, as well as post-production in Adobe Lightroom, Photoshop etc.

## Professional Experience:

### Lecturer (January 2020-Present)

College of Social Sciences, San Jose State University, San Jose, California  
Urban & Regional Planning Department

#### **1. Course: URBP 248/148 AND DSGN 248/148 Spatial Visualization Technologies in Urban Planning**

The is a lab-based course in digital visualization for urban spatial representation using industry standard software such as Adobe Photoshop, Adobe Illustrator, Adobe InDesign, AutoCAD and Trimble Sketch-Up. Through demonstrations and hands-on activities, the course will introduce a variety of methods for representing urban places and their users, simulating changes, and presenting visions for the future.

### Adjunct Faculty (August 2016-Present) (Currently Teaching Online)

College of Arts & Science, University at Albany, State University of New York Albany, NY  
Master of Regional Planning Program (MRP), Department of Geography and Planning

#### **1. Course: APLN503 Computer Applications in Planning**

Teaching graduate level students the importance of computer applications in planning practice. Helping students develop basic skills in communication applications and graphics packages namely Adobe Creative Suite + Google SketchUp + Computer Aided Design.

#### **2. Course: APLN552 CAD in Planning**

This course teaches the concepts and theories underlying Computer Aided Design and Drafting (CAD) to site planning, urban design and land-use planning, including 2D concept diagrams and site plan detail, and introducing 3D perspectives. Students are introduced to the CAD program- MicroStation from Bentley.



### **Designer (May 2016- December 2018)**

Behan Planning and Design, Saratoga Springs, NY [[www.behanplanning.com](http://www.behanplanning.com)]

- Assisted the design team to augment their computer modeling and graphic visualization skills in various urban design projects.
- With in-depth experience in 3D Studio Max with Vray lighting, Adobe Photoshop, Adobe Illustrator, and Google SketchUp, helped their clients visualize different design scenarios with realistic computer models and renderings.
- Aided the team with AutoCAD drafting and color rendering of 2D urban design plans in preparation of construction documents and presentation boards.

### **3D Design Visualization Specialist (October 2012 - August 2015)**

Newlands & Company, Inc. Portland, OR [[www.nc3d.com](http://www.nc3d.com)]

- Responsibilities include managing and executing 3D design visualization projects involving architectural, urban and interior design with the application of visualization technology.
- 3D modeling and still rendering to illustrate design proposals using 3D Studio Max, Sketch Up, Adobe Photoshop software.
- Planning and managing design visualization projects: selecting appropriate techniques, storyboard, coordinating with clients and teammates, budgeting and managing time for team.

### **Intern Architect (August 2010-October 2010)**

United States Department of Energy:

Sustainable Biofuel Center Design, Hendry County, La Belle, FL

Southern DataStream, Inc. LaBelle, FL. [[www.southerndatastream.com](http://www.southerndatastream.com)]

- Responsible for all aspects of the design & planning process of the Biofuel research center.
- Conducted visits to the site, liaised with Sales & Marketing officers at Country Homes & Land, examined local areas and existing built form.
- Researched on green design and sustainable design principles on biofuel research centers.
- Conducted meetings with supervisor and liaised with government officials at the Building, Licensing & Code Enforcement office of Henry County during the process of design and planning.
- Developed schematic designs of the center, produced various design solutions with hand sketches, AutoCAD drawn plans and 3D visualizations.

**Graduate Teaching Assistant (GTA): Design Communications I:** (August 2009- December 2009) College of Architecture & Landscape Architecture, (CALA) University of Arizona.

- Contributed to the class of 60 students, giving lectures and tutorials to the upper level Undergraduate Studio on 3d Studio Max and Adobe Creative Suite.
- Interacted directly with the students by assisting them create 3d models with Vray lighting, material mapping, scene renderings for their studio projects.
- Graded studio projects with the Studio instructor, giving criticism and kept record of attendance.



### **Graduate Teaching Assistant (GTA): Foundation Studio II-Drawing, Modeling & Descriptive Geometry:** (January 2009-May 2009)

College of Architecture & Landscape Architecture, (CALA) University of Arizona.

- Conducted a weekly discussion section covering techniques in drawing, collage and drafting.
- Led review sessions before exams.
- Responsible for maintaining a decent class environment and keeping record of the class attendance.
- Prepared quiz questions and graded them giving valuable criticism and feedback.

### **Visualization Architect (September 2007 - June 2008)**

Brahe & Bestec JV Limited, Dhaka, Bangladesh (Headquartered in Denmark). [www.brahe-bestec.com]

- Collaborated with teams to build 3d models from 2d AutoCAD drawn plans of projects that included commercial, residential and healthcare buildings situated in Denmark.
- Learned the technical areas of architectural visualization that comprised modeling various architectural and urban forms, creating custom made textures to achieve photo realistic surfaces, assigning maps, lights with standard and Vray in both interior and exterior scenes.
- Generated 3d renderings (quick, stylish, photorealistic and abstract) with post editing production of the rendered output of both interior and exterior views to meet each Danish client's need.
- Produced presentation layouts using Adobe CS.
- Supervised various visualization projects, corresponded with Danish architects and effectively met deadlines.

### **Intern Architect (January 2007-August 2007)**

Ventura Properties Limited, Dhaka Bangladesh. [www.venturabd.com]

- Assisted in schematic design diagrams and design developments with preliminary 3d renderings to get approval from clients for various residential interior design projects.
- Produced presentation drawings and interior renderings for brochure production of the apartment building, Ventura Mirabelle.
- Under the supervision of the firm partners, conducted meetings with clients presenting apartment interior design.
- Achieved a comprehensive knowledge in interior building materials, furniture layout, interior lighting and fabric.

### **Awards & Scholarships:**

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- Graduate Tuition Scholarship, 2008 & 2009: University of Arizona, CALA.
- Graduate Fellowship Award 2008 & 2009: University of Arizona, CALA.
- Arizona Builder's Alliance (ABA) Portfolio Competition Award 2009: University of Arizona, CALA.
- University Merit Scholarship, 2002 & 2003: BRAC University, Department of Architecture.



## Publications:

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- **Shahzia S. Shazi**, Mark.P Frederickson, R.Larry Medlin, "Minimizing Urban Sprawl through Open Space Design Strategies: The Case of Tucson, Arizona", **The International Journal of Architectonic, Spatial & Environmental Design Volume 6, 2013.**
- Kamrun Nahar, Sanwar A. Sunny, **Shahzia S. Shazi**, "Land Use Requirement and Urban Growth Implications for the Production of Biofuel in Bangladesh", **Canadian Journal on Scientific and Industrial Research Volume 2, No. 6, June 2011.**

## Computer skills:

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### Illustrative Graphics Program:

Adobe Creative Suite (namely Adobe Photoshop, Adobe Illustrator & Adobe InDesign)

### 3D Modeling and Visualization Program:

3D Studio Max with V-Ray Lighting and Google Sketch-Up

### Computer Aided Design Program:

AutoCAD, MicroStation

### Applications:

Microsoft office (Word, PowerPoint, Excel, Outlook), Adobe Acrobat Professional

## Education:

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University of Arizona: Tucson, Arizona, USA

College of Architecture and Landscape Architecture (CALA)

M. Arch: Master of Architecture with concentration in *Urban Design & Infrastructure*

(Fall 08 - Fall 09)

Thesis Title: *Connecting the city of Tucson, Arizona with open space design strategies and alternative modes of transportation to minimize urban sprawl.*

Cumulative GPA: 3.63/4.0.

BRAC University: Dhaka, Bangladesh

Department of Architecture

B. Arch: Bachelor in Architecture (Fall 02 - Summer 07)

Cumulative GPA: 3.31/4.0.

References available upon request