Song Qizhen

songqizhen006@gmail.com, ucbvqs0@ucl.ac.uk | (+86) 18565835262

EDUCATION

Beijing Forestry University   Sep 2019–Jun 2023
Beijing, China

Bachelor of Landscape Architecture
School of Landscape Architecture
Core Courses: Landscape Design, Architectural Design, Computer Aided Design, Architectural Construction, History of Architecture;

University College London   Sep 2024 - Sep 2025
London, UK

Master of Science in Architectural Computation
Bartlett School of Architecture
Core Courses: Design as a Knowledge-Based Process; Computational Synthesis; Computational Analysis; Morphogenetic Programming; Introduction to Programming for Architecture and Design;

RESEARCH PROJECTS

Core Curriculum Project: Introduction to Architectural Programming

- Architectural parametric design using Rhino-Grasshopper platform, mastering C# plugin development
- Proficient in various algorithmic implementations, including spatial sorting algorithms, A* path-finding algorithms, and generative design algorithms
- Development of multiple architectural design assistance tools to improve design efficiency and scheme optimization

Interactive Urban Design Platform Development (Studio Project)
Independent development of deep learning-based urban environment analysis and optimization platform

Core tech stack: Python, Deep learning frameworks, HTML/CSS/JavaScript, Computer vision, Image processing
- Automatic semantic segmentation of street view images using computer vision technology
- Street safety assessment system based on machine learning models
- Design of intuitive interface supporting real-time editing and visualization of street view elements
- Integration of Stable Diffusion model for intelligent urban space transformation preview

WORKING EXPERIENCE

Intern Landscape Architect   Jul 2020 - Sep 2020
Landscape Architecture Group   Shenzhen, China
Meidao Landscape Architecture and Urban Planning Design Institute Ltd.

Responsibilities:
- Participated in the planning and design development of the Shenzhen Orchidaceae Center
- Participated in the research and writing process for an academic publication on prefabricated construction
- Collaborated with team members to ensure design quality and project deliverables

Outcomes:
- Successfully contributed to the completion of the Shenzhen Orchidaceae Center design scheme
- Contributed to the publication of paper on prefabricated construction applications in landscape architecture

Intern Architect   Mar 2024 - Jul 2024
dEEP Architects   Beijing, China

Responsibilities:
- Participated in overall planning and design of Huairou Villa project, responsible for architectural floor plan development and elevation/section designs
- Completed interior space layout and detail design, ensure feasibility and practicality of solutions
- Used D5 Render to create architectural renderings and visualization, enhance overall project presentation

Outcomes:
- Successfully completed architectural design documents for Huairou Villa project, meeting relevant code requirements
- Independently completed interior design solutions for multiple spaces, gained client approval
- Established complete project design file database, improved team work efficiency

ENTREPRENEURIAL EXPERIENCE

Education Consulting & Content Creation   Sep 2024 - Current
Independent Consultant & Social Media Creator

Business Development & Social Media Impact
- Built a thriving community of 5000+ followers on Red
- Created viral content focused on applications, generating 10K+ engagements

Consulting Achievement
- Guided 500+ students and obtained offers from institutions including UCL, IC,LSE, HKU, CUHK,.etc
- Provided comprehensive consulting services including: Strategic school selection and application planning, Personal statement development and optimization; Portfolio review and enhancement guidance

Entrepreneurial Experience
- Developed and implemented end-to-end business operations from lead generation to service delivery
- Created systematic consulting frameworks to ensure consistent, high-quality client experience
- Built efficient workflow managing multiple clients while maintaining personalized attention

EXTRACURRICULAR ACTIVITIES

Research Group Member   July 2024
Tectonism Via AI - Zaha Hadid Architects   Shanghai, China
2024 Tongji University Digital Futures Workshop

Responsibilities:
- Generated architectural facade training datasets using Rhino & Grasshopper for AI applications
- Provided technical support and troubleshooting assistance to team members
- Created high-quality renderings and animations for final project presentations

Outcomes:
- Developed comprehensive parametric design datasets for AI model training
- The rendering work received praise from Patrik Schumacher, Chief Designer of Zaha Hadid Architects

AWARDS

Outstanding Student Cadre   2020 - 2021
Awarding Institution: Beijing Forestry University
Outstanding Joint Graduation Design Award: Jun 2023
Awarding Institution: Beijing Forestry University

CERTIFICATE

TOEFL (Test of English as a Foreign Language)	84 (R:21 L:24 W:20 S:19)
IELTS (International English Language Testing System)	6.5 (R:7.5 L:6.5 W:6.0 S:6.5)
JLPT (Japanese Language Proficiency Test)	N2
Putonghua Proficiency Test	Grade B of Level One

SKILLS

Design & Visualization:
- **Digital art and photography post-processing**: PS, AI, ID, Pr, AE
- **3D modeling tools:** Rhinoceros with Grasshopper, SketchUp, Houdini
- **Rendering skills:** V-Ray, Enscape,D5 Render, Unreal Engine, Unity3d
- **AI tools:** Stable Diffusion (Web UI and Comfy UI), Midjourney

Programming:
- **Architectural Software Development:** C# for Rhino-Grasshopper plugin development
- **Web Development:** Full-stack development with Python, JS and HTML for interactive design platforms
- **Game Development:** C# for Unity3D
- **Machine learning:** AI model deployment from PyTorch and TensorFlow; Experienced in using SVM and Random Forest models for spatial data analysis

Hobbies: Basketball, American Football, 3D Printing

Languages: Mandarin Chinese (native), English (fluent), Japanese (fluent)