

SONG PEI LING

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EDUCATION

Chung Yuan Christian University

B.A. (Bachelor of Architecture) GPA: 3.77 / 4.0

2023

Taoyuan, Taiwan

- Ranked Top 3 in Architectural Design 3 times

WORK EXPERIENCE

CYCU Office of Information Technology

Campus Brand Visual Designer

2020-2023

Taoyuan, Taiwan

- Successfully enhanced the aesthetic appeal and visibility of Chung Yuan Christian University through the redesign of the website logo and the development of the campus signage system, as part of the Campus Beautification Project

ROCKS Interior Design Limited (Specialized in Interior Sector)

Modeling Consultant Intern

2022

Taoyuan, Taiwan

- Led 2 major successes in architectural proposals through enhanced presentations, utilizing advanced CAD/CAM techniques (Rhino, Grasshopper) for complex geometric modeling, aiding in the re-planning of a 220,625 sq ft campus
- Spearheaded the concept and design of a public interior project, integrating Enscape & SketchUp for enhanced design visualization, which resulted in securing the contract worth \$500 thousands USD

SUNHOU Architects & Partners Association (Top1 Association in the City)

Project Executive (Co-op)

2020-2022

Taoyuan, Taiwan

- Won 5+ major competitions by applying advanced modeling (Revit, Rhino, Grasshopper) and rendering (Lumion) tools to develop presentation proposals, with a total value exceeding \$10 million USD
- Led a golf club interior renovation project (GFA 80,000 sq ft), employing parametric design via Grasshopper for efficient construction drawings of complex lighting fixtures and decorative columns, resulting in a 3X increase in efficiency

OASISTUDIO Architect Office (Specialized in Public Sector)

Construction Detail Design Intern

2020

Yilan, Taiwan

- Partnered with architects to secure 3+ projects, utilizing software (Grasshopper, Rhino) for enhanced the model making efficiency 2X and detailed structural design

LEADERSHIP & PROJECT EXPERIENCE

Co-Founder, CYAR Research Centre for Digital (R.C.D)

2021-2023

- Pioneered digital design initiatives at the university, organizing 10+ lectures and workshops on digital fabrication (Robotics, CNC, Laser Cutting, 3D Printing) and programming (Grasshopper, HoloLens, Arduino), benefiting 100+ participants
- Directed the '2022 Open Source CAAD Workshop' as a lecturer, substantially advancing the university's computational design capabilities through the use of parametric design, CAD/CAM, and robotics

Lecturer, Student Association of CYCU Architecture Department

2022

- Served as a design mentor, delivering 3 public lectures on 'Design and Works Presentation', 'Competition Participation Techniques', and 'Photoshop Workflow', influencing 200+ students

Before the Heat Dissipated: Reveal Thermal Landscapes through Material Research (Excellence Thesis) 2022

- Conducted research on material changes to reveal the impact of human-induced environmental degradation, leading to a 20-degree temperature decrease in hot springs, contributing to sustainability and regional studies

Parametric Clay Structures: Research on Coral Reef Growth Patterns (Independent Study)

2021

- Utilized Grasshopper to simulate coral growth, combined with clay techniques to create novel structures, and presenting findings to professors and industry experts

Manager & Supervisor, CYCU Wood Fabrication Laboratory

2018-2023

- Managed the wood fabrication laboratory for 4+ years, responsible for 100+ maintenance and operation tasks
- Initiated and led 5+ woodworking educational training sessions and provided technical assistance in more than 30 instances

AWARDS

Mark Winner, Golden Pin Design Award

2023

- 'Before the Heat Dissipated: Reveal Thermal Landscapes through Material Research,' excelled among 522 international entries to secure one of the exclusive eight 'Mark Winner' awards.

Merit Award, Conceptual Design Competition for Chiang Kai-Shek Memorial Hall

2022

- Ranked in the top 15 from a pool of 180+ participant teams in the competition

First Place, Keelung Campus Beautification Design Competition

2021

- Collaboratively enhanced campus planning with the Keelung City Government, leading to an exclusive engagement with the mayor among 60+ participants

SKILLS

Software Skills: AutoCAD / BlueCFD / Rhino / Grasshopper / SketchUp / Revit / Enscape / Lumion / Adobe Suite / Office

Digital Fabrication: 3D Printing / Laser Cutting / CNC