Jeremy Chen

Phone: +1 510-710-8895 Email: jcmchen@berkeley.edu

EDUCATION

University of California, Berkeley, USA

Master of Architecture

Aug. 2021 - present

· Highlight Course: Robotic Fabrication and Construction, Interaction Design, Agile Engineering Practice Principles and Techniques of Data Science, Research Design and Application for Data and Analysis, Theory and Practice of Tangible User Interfaces

National Taiwan University (NTU), Taiwan

Bachelor of Science in Civil Engineering

Sep. 2015 - Jun. 2020

Best All-Round Student Award, Department of Civil Engineering, NTU

2018, 2019

· Highlight Course: Shape Aesthetics and Design, Design and Construction of Wood Structures (I),

Physical Model Design Laboratory, Stage Craft (I), Color Scheme,

Keystone Challenge, Capstone Challenge

Architectural Engineering Program

Sep. 2015 - Jun. 2020

• Highlight Course: Building Environment Control, Human Environment Relations,

Behavior and System of Architectural Structure

Bauhaus-Universität Weimar, Germany

Exchange Student Sep. 2019 - Mar. 2020 **Full Scholarship**

Government Scholarship for Studying Abroad, Ministry of Education Taiwan Scholarship for Studying Abroad, Department of Civil Engineering, NTU

• Highlight Course: Digital Cultures: An Introduction for the Digital Professions

WORK EXPERIENCE

Mu. Studio

Research Intern Jul. 2022 - Aug. 2022

- Design for glueless fabrication / installation and resistance to fire
- Use computational methods to investigate geometric arrangements for which slab elements can be created which have a lower impact on environment (adhesive-free), have less capital-intensive manufacturing processes, and which are inherently resilient against runaway burning in the event of fire

NCREE - NTUCE Joint Artificial Intelligence Research Center

Summer Intern Program

Jul. 2019 - Aug. 2019

- Use parametric modeling to generate different geometric patterns
- Learn Molecular Dynamics (MD) simulation methods
- Predict properties and performance of composite materials

Envision Engineering Consultants (EEC)

• Structural Design & Simulation

Jul. 2018 - Aug. 2018

- Communicate with architectural firms
- Create presentation drawings and materials
- Cost Estimating

Structural Intern

· Review structural design drawings

KRIS YAO | ARTECH

Jul. 2017 - Apr. 2018 Architectural Intern

- Design Development: 3D computer modeling, physical model making
- Review design drawings and construction drawings
- Meeting with engineering consultants, contractors and clients

Wooden Structure Design - Teaching Assistant

Redesign and Reconstruction of Existing Wooden Pavilion

May. 2020 - Jun. 2020

- Communications between students, teachers, and construction contractors
- Teach students how to do woodwork, metalwork, and the production of glulam beams
- On-site communications and execution

Feb. 2019 - Mar. 2019 Feb. 2019 - Mar. 2019 Feb. 2019 - Mar. 2019 Feb.	Keystone Challenge & Joint Workshop - Teac	ching Assistant	
Design Development and Structural Analysis Assistance Communications between different fields of students, teachers and local residents	-		Feb. 2019 - Mar. 2019
**Communications between different fields of students, teachers and local residents Fundamentals of Architectural Design - Teaching Assistant **Design Development Assistance & Woodwork Tutor of 1:1 wooden chair project **WORKSHOPS & ACADEMIC ACTIVITIES **2022 Robotic Rod Bending Workshop Department of Architecture, National Cheng Kung University (NCKU) - Discrete Design and Robotic Fabrication 2022 ABM DigitalFUTURES Workshop Institute for Computational Design and Construction (ICD). University of Statugart - Use Agent Based Modeling to design an Inflatable Interactive Structure The Future of Construction Symposium + Workshops & Tours, ETH Zürich - Symposiums on Construction Robotics and Computational Design for Sustainable Construction **Symposiums on Construction Robotics and Computational Design for Sustainable Construction **Sopposiums on Construction Robotics and Computational Design for Sustainable Construction **Sopposiums on Construction Robotics and Computational Design for Sustainable Construction **Sopposiums on Construction Robotics and Computational Design for Sustainable Construction **Sopposiums on Construction Robotics and Computational Design for Sustainable Construction **Sopposiums on Construction Robotics and Computational Design for Sustainable Construction **Sopposiums on Construction Robotics and Computational Design for Sustainable Construction **Sopposiums on Construction Robotics and Computational Design for Sustainable Construction **Sopposiums on Construction Robotics and Critical Part Construction **Sopposiums on Construction Robotics and Critical Part Construction **Sopposiums on Construction Robotics and Critical Part Construction **Principle Robotics on Agent Part Const	Floating Structure Under Extreme Weather Con	ditions (Architecture + Engineering)	May. 2019 - Jun. 2019,
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