DINING LIU

LANDSCAPE RESEARCHER & DESIGNER

dining_liu@berkeley.edu **Email**
+1 707-742-9565 **Phone**
19-21 South Lane, Shek Tong Tsui, Hong Kong **Address**
https://www.ocf.berkeley.edu/~diningliu/ **Website**
Ⓢ @Dining Liu   in @Dining Liu   Ⓘ @liudining

As a landscape designer from China, I am interested in using new technology to better understand urban landscape and environmental issues, engaging communities and citizens into the planning and design process for urban sustainable development.

EDUCATION

University of California, Berkeley ▪ 2018

Berkeley, CA

Master of Landscape Architecture (Cum. GPA 3.95/4.00)
Graduate Certificate in Geographic Information
Science and Technology (GIST)

Beijing Forestry University 2016

Beijing, China

Bachelor of Engineering: Landscape Architecture
(Cum. GPA 3.93/4.00   Ranking: 1/120)
Won National Scholarship twice
(Over 25 million applicants per year, only 0.2% can win)

2012

CONFERENCE / TALKS

"Grayson Creek 50-Year Plan," Alliance program: research methods for ▪ 2017
sustainable development, Paris, France

"Quint'Arte: Harvest Culture, Nature, and Energy,"
International interdisciplinary workshop: connecting Barreiro
across space and time, Barreiro, Portugal

PUBLICATIONS

Dining Liu and Iryna Dronova. (2018) Using geotagged photos to analyze ▪ 2018
the relationship between cultural ecosystem service and
site-specific features of urban green space in San Francisco.
Manuscript submitted for publication.

Yilan Wang, Juan Cao, **Dining Liu**, and Jian Chen. (2018) *US East Coast
Travel Guide for Landscape Designers* (美国东岸出行手册).
Landscape Architecture Magazine (China).

RESEARCH PROJECTS

Crowdsourcing: Using Geotagged Photos to Study ▪ 2018
Urban Green Space (UGS) in San Francisco

Graduate Thesis

- ☐ Mapped city-wide cultural ecosystem service of UGS using geotagged photos from Instagram and Flickr.
- ☐ Detected elements of photo content automatically using the image recognition tool to understand visitors' preferences.
- ☐ Analyzed the relationship between frequency/density of photos and site-specific features of different UGS.

Social Inequalities of Urban Green Space (UGS)
Accessibility in San Francisco Bay Area

CP 290 Urban Data Science Workshop

- ☐ Assessed the accessibility of UGS in San Francisco Bay Area through spatial analysis.
- ☐ Delineated the geographically inequitable accessbility to UGS for disadvantaged populations in different counties.

Quantifying Street Tree Ecosystem Services ▪ 2017
in Santa Clara County

San Francisco Estuary Institute (SFEI)

Resilient Silicon Valley Project Report

- ☐ Explored the variation in ecosystem services provided by native and non-native street trees using i-Tree.
- ☐ Measured trade-offs between the services and disservices provided by different species.
- ☐ Inspected the spatial pattern of street tree ecosystem services with aid of hotspot analysis.

Post Occupancy Evaluation of Sproul Plaza, UC Berkeley

LA 140 Social Factors in Open Space Design

- ☐ Evaluated the design and use of Sproul Plaza through a host of methodologies and periodic fieldwork.
- ☐ Identified problems based on previous analysis and made suggestions on redesigning Sproul Plaza.

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DESIGN PROJECTS

Grayson Creek (Contra Costa County, CA): the 50-Year Plan and Green Infrastructure Planning
2017

LA 205 Environmental Planning Studio

Planned the potential area to expand the floodplain of Grayson Creek and improve flood management.
Presented to Contra Costa County officials to find opportunities for the prior project of green infrastructure.

Resilient by Design: Strategies for Adapting San Francisco Bay Area to Sea Level Rise
2016

LA 201 Ecological Factors in Urban Landscape Design Studio

Designed for San Rafael to be more adaptive to sea level rise, high groundwater, and even bay flooding in unusual events.
Communicated with Bay Area professional landscape architects and Federal Emergency Management Agency (FEMA) staff.

AWARDS

First Place
2017

Thomas Church Memorial Design Competition
(College of Environmental Design, UC Berkeley)
"Starve the Black Snake" for Resistance to the Dakota Access Pipeline (DAPL)

Gold Award
2016

Idea-King of the Fifth International Garden Landscape Planning and Design Competition
(Over 8,000 entrants per year, only 0.1% can win gold award)
Protection and Renovation of Mazar Village, Xinjiang , China

TECH SKILLS

GIS & RS	Language	Graphics
ArcGIS, QGIS	English	Photoshop
ENVI	Mandarin	Illustrator
Google Earth Engine		Indesign
	Programming	AutoCAD
	Python	Sketchup
	R, Stata	Rhino
	Matlab	Freehand

WORKING EXPERIENCE

Research Assistant
2018 — Oct. - Present

Department of Architecture, The University of Hong Kong

☐ Conduct research in Landscape Urbanism, Resiliency Planning, Water Infrastructure, the Pearl River Delta Bay Urban Planning, and San Francisco Bay Area Urban Planning.
☐ Assist Prof. Michael Kokora and Prof. Ivan Valin in teaching, class discussions, and class organization.

Magazine Editor
May - Present

Landscape Architecture Magazine (China), Beijing

☐ Plan the route of professional investigation of outstanding landscape projects in the western part of the U.S.
☐ Authored a handbook on professional investigation of outstanding landscape projects in the eastern part of the U.S.

Research Data Analyst
July - Oct.

Worked with Professor Iryna Dronova, UC Berkeley

☐ Collected 5-year photos taken in California Delta from Flickr.
☐ Solved the data bias caused by big contributors and repeated photos.
☐ Analyzed and labelled photo contents of landscape photos.

Landscape Designer Intern
Spring 2018

Office of Cheryl Barton, San Francisco

☐ Drew the master plan of Stanford Redwood City Campus Project and Treasure Island Cultural Park Project.
☐ Made the physical model of benches in Linden Alley Project.

Graduate Student Researcher
Spring 2018

Worked with Professor Peter C. BOSSELMANN, UC Berkeley

☐ Modeled the topography and bathymetry of Søby Ærø Island, Denmark using Lidar and eco-sounder data.

Assistant Designer
2016 — 2015 - 2016

Shaanxi Chang'an Ink Landscape Painting Co., Ltd, China

☐ Reviewed and revised construction drawings for municipal landscape projects in Yulin, China.
☐ Assisted in construction site control in Yuxi River Waterfront Park Project Phase-I.
☐ Participated in preliminary design and construction drawing in Yuxi River Waterfront Park Project Phase-II.