

Eddy Man Kim

eddymankim@cmu.edu

Margaret Morrison Carnegie Hall 308
Carnegie Mellon University
Pittsburgh, PA 15213

+1 412 268 6425

SUMMARY

Designer, researcher, educator, and technologist in architecture, web, graphic, brand, and UI/UX design.

Currently maintains following positions at Carnegie Mellon University School of Architecture:

- Assistant Teaching Professor
- PhD Student in Computational Design
- Co-director of the [Code Lab](#)
- Track Chair of the Master of Tangible Interaction Design Program

EDUCATION

2015 - present

Doctor of Philosophy in Computational Design (PhD-CD)

Carnegie Mellon University, School of Architecture, Pittsburgh, PA, USA

Research Area: *Web-based Interfaces for Real-time Design Collaboration*

2010 - 2012

Master in Design Studies (MDes), Concentration in Design Computation

Harvard University, Graduate School of Design, Cambridge, MA, USA

Thesis: *Sandbox3D alpha: Web App Development for Real-time Social Design Collaboration*

2004 - 2009

Bachelor of Architecture (BArch)

Cornell University, College of Architecture, Art, and Planning, Ithaca, NY, USA

Thesis: *metaCAVE v.2: Prefabricated Prototype Pavilion*

2008 Summer

McGill University, Montreal, Canada

2008 Spring

Cornell in Rome, Rome, Italy

AWARDS & FELLOWSHIPS

2017

Fund for Research and Creativity, Carnegie Mellon University, College of Fine Arts

Grant awarded for project, *Dimensional Typography in Virtual Reality*

2014

George N. Pauly, Jr. Fellowship, Carnegie Mellon University, School of Architecture

Teaching fellowship for the 2014 / 2015 academic year

2013

Best-Of-Year Award, Interior Design magazine

Awarded for openUU warehouse conversion project, *AL-wch* (Honoree)

2012

Digital Design Award, Harvard University, Graduate School of Design

Awarded for Master's thesis project, *Sandbox3D alpha: Web App Development for Real-time Social Design Collaboration*

2012

International Design Awards

Awarded for openUU project, *Osage Open* (Silver Winner)

2012

International Design Awards

Awarded for openUU project, *Chinese International School* (Bronze Winner)

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2012

IAI Awards

Awarded for openUU project, *platform (1x2)* (Shortlisted)

2012

Best-Of-Year Award, Interior Design magazine

Awarded for openUU projects, *Osage Open* (Winner) and *C/S*(Honoree)

2012

40-under-40 Award, Perspective Global magazine

openUU recognized for young design talent (Winner)

2011

Best-Of-Year Award, Interior Design magazine

Awarded for openUU project, *platform (1x2)* (Winner)

2011

Best-Of-Year Award, Interior Design magazine

Awarded for openUU project, *modelScape* (Winner)

2011

The American Institute of Architects, Hong Kong Chapter

Awarded for openUU project, *modelScape* (Honor Award for Architecture)

2011

Asia Pacific Interior Design Award (APIDA)

Awarded for openUU project, *modelScape* (Silver Award)

2004

Donald Greene Award, Deerfield Academy

Commencement award for outstanding work in journalism

TEACHING

2018 Spring

Carnegie Mellon University, School of Architecture, Pittsburgh, PA, USA

Studio Instructor: 48205: Elaboration II (Second Year Undergraduate Architecture Core Design Studio)

Course Instructor: 48125: Digital Media II (First Year Undergraduate Architecture Core Course)

2017 Fall

Carnegie Mellon University, School of Architecture, Pittsburgh, PA, USA

Studio Instructor: 48300: Environment, Form & Feedback: Modular Eco-morphologies (Third Year Undergraduate Architecture Core Design Studio)

Course Instructor: 48120: Digital Media I (First Year Undergraduate Architecture Core Course)

62633: Spatial Narratives via Web Graphics (Elective Course)

2017 Summer

Carnegie Mellon University, School of Architecture, Pittsburgh, PA, USA

Workshop Instructor: Pre-college Architecture Digital Fabrication Workshop

2017 Spring

Carnegie Mellon University, School of Architecture, Pittsburgh, PA, USA

Studio Instructor: 48205: Elaboration II (Second Year Undergraduate Architecture Core Design Studio)

Course Instructor: 48125: Analog & Digital Media II (First Year Undergraduate Architecture Core Course)

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48796 / 62911: MTID Thesis Studio / CFA-EM2 Thesis Studio (Graduate Thesis Studio)
48599 / 48736: Independent Study / Master's Independent Study (5 Students)

2016 Fall

Carnegie Mellon University, School of Architecture, Pittsburgh, PA, USA

Studio Instructor: 48300: Environment, Form & Feedback: Modular Eco-morphologies (Third Year Undergraduate Architecture Core Design Studio)

Course Instructor: 48120: Analog & Digital Media I (First Year Undergraduate Architecture Core Course)
48599 / 48736: Independent Study / Master's Independent Study (3 Students)

2016 Summer

Carnegie Mellon University, School of Architecture, Pittsburgh, PA, USA

Studio Instructor: Pre-college Architecture Design Studio

Workshop Instructor: Pre-college Architecture Digital Fabrication Workshop

2016 Spring

Carnegie Mellon University, School of Architecture, Pittsburgh, PA, USA

Design Studio Instructor: 48205: Elaboration 2 (Second Year Undergraduate Architecture Design Studio)

Course Instructor: 48125: Introduction to Digital Media 2 (First Year Undergraduate Architecture Core Course)

2015 Fall

Carnegie Mellon University, School of Architecture, Pittsburgh, PA, USA

Design Studio Instructor: 48300: Environment, Form & Feedback: Modular Eco-morphologies (Third Year Undergraduate Architecture Design Studio)

Course Instructor: 48105: Introduction to Digital Media 1 (First Year Undergraduate Architecture Core Course)

2015 Spring

Carnegie Mellon University, School of Architecture, Pittsburgh, PA, USA

Design Studio Instructor: 48410: Liminal Interventions: Hybrid Interface Design Build Studio (Advanced Architecture Design Studio) [Course website](#).

Course Instructor: 48548: Design Communication: Design Interface Research Workshop / Seminar. [Course website](#).

2014 Fall

Carnegie Mellon University, School of Architecture, Pittsburgh, PA, USA

Design Studio Instructor: 48300: Environment, Form & Feedback: Modular Eco-morphologies (Third Year Undergraduate Architecture Design Studio)

2013 Fall

The University of Hong Kong, Faculty of Architecture, Pokfulam, Hong Kong

Design Studio Instructor: ARCH5001: Urban Spine Parasite (Second Year Graduate Architecture Design Studio)

2012 Summer

Hong Kong Interior Design Association, Chaiwan, Hong Kong

Workshop Instructor: Instructed visiting students from Hong Kong, Japan, and South Korea in a week-long design workshop, as part of the event, "East Gathering."

2011 Fall

Harvard University, Graduate School of Design, Cambridge, MA, USA

Teaching Assistant: Assisted professor Panagiotis Michalatos in technical workshops for the graduate-level course, "Computational Design [Numerical Descriptions]."

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PRACTICE

2016 - present

Processly Education Technology Platform, Pittsburgh, PA, USA
Co-Founder / Front-end Developer

2016 - present

EPIPHYTE Lab, LLC Architectural Design and Research Collaborative, Pittsburgh, PA, USA
Web Developer

2015 - present

Dzgn.IO Design and Development Agency, Pittsburgh, PA, USA
Co-Founder

2009 - 2014

openUU Ltd. Design Research Consultancy, Aberdeen, Hong Kong
Co-Founder / Technical Director

openUU is an award-winning design research agency that focuses on Space Conversions and Design Collaborations. We design and create with an approach of playful pragmatism. We are interested in creating supernormal moments by re-searching and re-arranging normal, everyday notions. We create to engage with people, and engage with people to create. openUU's wide-ranged clientele includes: Swire Properties Management, Nike 360 Holding B.V., Osage Gallery & Art Foundation, Hong Kong Tourism Board, Hong Kong Arts Centre, West Kowloon Cultural District Authority, Hsin Chong Construction Group, School of Creative Media, City University of Hong Kong.

www.openUU.com

Projects by openUU:

15,000 sf penthouse office, spa, and lounge renovation for private client

accACC: office renovation for **Asian Cultural Council**

AL-wch: warehouse art space for private client

APC: concept retail store design for **Andes Premium Catch**

Art | Flat: pop-up art shop at ART HK fair for **Para Site art space**

Artist Home Base: brand consulting for **Hong Kong Arts Centre's** artist-in-residence program

Cinema 2.0 ifva: exhibit design for **Hong Kong Arts Centre**

CIS: cafeteria renovation for **Chinese International School**

Cityplaza: 50,000 sf mall renovation for **Swire Properties Management**

FoFo: private kitchen and roof lounge design

Freespace: event venue design and management for **West Kowloon Cultural District Authority**

HKTB LA: installation for **Hong Kong Tourism Board**

La Viva Suites: hotel interior design for **Hsin Chong Construction Group**

modelScape: display platform prototype for **Times Properties**

Nike Conference: corporate office renovation for **Nike 360 Holding B.V.**

Osage Open: 10,000 sf warehouse art space for **Osage Gallery & Art Foundation**

platform (1x2): warehouse space conversion for private client

Para Site: facade and gallery renovation for **Para Site art space**

SCM7/K11: exhibit design for **City University of Hong Kong**

villageTerrace: kitchen conversion for private client

zzt: parametric design consultation for stadium shell

2011 Summer

Robert A.M. Stern Architects, LLP, New York, NY, USA

Architectural Design Intern

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SERVICE & ACTIVITIES

2009 - 2010

EPIPHYTE Lab, LLC Architectural Design and Research Collaborative, Ithaca, NY, USA
Project Designer

2006 Summer

POS-A.C. (POSCO Architects & Consultants), Seoul, Korea
Architectural Design Intern

2016 - present

Master of Tangible Interaction Design (MTID) Program, Track Chair
Carnegie Mellon University

2015 - present

Code Lab, Co-director
Carnegie Mellon University

2017 - present

tech.soa + SoA Slack, Creator and coordinator of web platforms for streamlining technology resources at SoA
Carnegie Mellon University

Fall 2017

Computational Design: Practices, Histories, Infrastructures Symposium, Workshop Chair
Carnegie Mellon University

Fall 2017

Inquiry into Computation, Architecture and Design, Guest speaker / reviewer for course # 48727
Carnegie Mellon University

Fall 2017

wats:ON? Festival Across the Arts, Associate Curator
Carnegie Mellon University

2016 - 2017

Emerging Media Masters (EM2) Program, Track Chair (CFA)
Carnegie Mellon University

Spring 2017

Interchange, Organizer of the career event for School of Architecture graduate students
Carnegie Mellon University

Spring 2017

UI/UX Design and Architecture: Leveraging Web Technologies for and by Architects, Presenter
AIA Build Pittsburgh Conference

Fall 2016

Intro to Media Synthesis and Analysis, Guest speaker / reviewer for course # 62150
Carnegie Mellon University

Fall 2016

Inquiry into Computation, Architecture and Design, Guest speaker / reviewer for course # 48727
Carnegie Mellon University

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Summer 2016

Data Analytics for Urban Design, Guest speaker for course # 48714
Carnegie Mellon University

Fall 2015

Sandbox3D alpha: Web App Development for Real-time Social Design Collaboration, Presenter
The Graphical Web Conference

Fall 2015

Art + Conversation, Presenter
Mattress Factory

Fall 2015

Urban Design Methods and Theory, Guest speaker for course # 48740
Carnegie Mellon University

Spring 2015

Interactive Art & Computational Design, Guest reviewer for course # 62-726
Carnegie Mellon University

Spring 2015

Design Interface : Interface Design, Henry Hornbostel Lecture
Carnegie Mellon University

SOFTWARE DEVELOPMENTS

2011 - 2012

Sandbox3D alpha, Harvard University, Graduate School of Design
Web app development for real-time social design collaboration; Master's thesis project
Written in HTML, JavaScript, WebGL

2011 Spring

Symbiote alpha, Harvard University, Graduate School of Design
Prototype 3D software that experiments with implicit-surface-modeling techniques; final project for
computational design research seminar
Written in C++, OpenGL

2010 Fall

Panda, Harvard University, Graduate School of Design
Prototype 3D software for visualizing and designing a thermal wall installation; final project for computational
design research seminar
Written in C++, OpenGL

INSTALLATIONS & EXHIBITIONS

2017 Fall

Spatial Narratives via Web Graphics, College of Fine Arts, Carnegie Mellon University
Research seminar final exhibition
Pittsburgh, PA, USA

2015 Spring

Liminal Interventions, College of Fine Arts, Carnegie Mellon University
Hybrid interfaces exhibition / public review
Pittsburgh, PA, USA

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2015 Spring

Design Communication, College of Fine Arts, Carnegie Mellon University
Research seminar final exhibition
Pittsburgh, PA, USA

2013 Summer

SCM7/K11, School of Creative Media, City University of Hong Kong
Exhibition design
Tsim Sha Tsui, Hong Kong

2012 Winter

urbanUPLIFT, Hong Kong & Shenzhen Bi-City Biennale of Urbanism / Architecture
Public pavilion / installation
Kowloon Park, Hong Kong

2011 Spring

Projection One, Harvard University, Graduate School of Design
Multisensory interactive media installation; written in C#
Cambridge, MA, USA

2009 Winter

farmScape, Hong Kong & Shenzhen Bi-City Biennale of Urbanism / Architecture
Public pavilion / installation
West Kowloon, Hong Kong

2009 Spring

metaCAVE v.2, Cornell University, College of Architecture, Art and Planning
Prefabricated prototype pavilion
Ithaca, NY, USA

PUBLICATIONS & PRESS

2017 October

CMU News
Feature on wats:ON? Festival: *SHIFT*

2017 October

NEXT Pittsburgh
Feature on wats:ON? Festival: *SHIFT*

2017 October

Pittsburgh City Paper
Feature on wats:ON? Festival: *SHIFT*

2014 December

hinge Vol. 230
Feature on openUU Project: *Nike Conference*

2014 October

designboom
Feature on openUU project: *NIKE: Conference*

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2014 March

Cornerstone

Feature on openUU project: *Cityplaza*

2014 March

South China Morning Post

Feature on openUU project: *platform (1x2)*

2013 December

indesignlive.HK

Feature on openUU: "*openUU Opens Doors to Collaboration*"

2013 June

d+a issue 74

Feature on openUU: "*Youthful Ambitions: openUU*"

2013 May

Association Vol. 5 by Cornell AAP

Feature on openUU project: *urbanUPLIFT*

2013 February

South China Morning Post's PostMagazine

Feature on openUU: "*Design File: openUU*"

2013 January

Perspective Magazine

Feature on openUU project: *farmScape*

2012 December

Sofa Magazine

Feature on openUU: "*1 Room 3 Ways*"

2012 November

Perspective Magazine

Feature on openUU: "*Asia's Rising Talent: openUU*"

2012 November

South China Morning Post

Feature on openUU project: *Artist Home Base*

2012 May

Wall Street Journal

Feature on openUU: "*To Doze, Design in Hong Kong*"

2012 May

Perspective Magazine

Feature on award recipient openUU: "*2012 40-Under-40*"

2012 May

CNN Go

Feature on openUU project: *Art | Flat*

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2012 March

South China Morning Post's PostMagazine

Feature on openUU project: *platform (1x2)*

2012 March

hinge Vol. 199

Feature on openUU project: *platform (1x2)*

2011 December

Interior Design No. 15

Feature on award recipient openUU: "Best of Year Award"

2011 September

A View on Harvard GSD Vol. 3

Feature on openUU project: *platform (1x2)*

2011 September

Interior Design China

Feature on openUU project: *modelScape*

2011 August

Interior Design No. 10

Feature on openUU project: *platform (1x2)*

2011 January

hinge Vol. 197

Feature on openUU project: *platform(1x2)*

2010 August

Interior Architecture of China

Feature on openUU project: *farmScape*

2010 January

Urban Art Projects

Feature on openUU project: *farmScape*

DIGITAL SKILLS

Programming: C++, C#, CSS, HTML, JavaScript, OpenGL, Processing (Java), WebGL

2D & 3D: Adobe Illustrator, Adobe Indesign, Adobe Photoshop, AutoCAD, CATIA, Digital Project, Generative Components, Grasshopper, Maya, Revit, Rhinoceros, Sketchup, 3ds Max

Rendering & Analysis: Design Builder, Maxwell, Radiance, Vray

Fabrication: 125W & 5000W Laser Cutter, 3-Axis CNC Router, 3D Printer (ABS, FDM, Zcorp), Mastercam, Robotic Waterjet, Robotic 6-Axis Mill

Management: Adobe Acrobat Pro, Microsoft Office

LANGUAGES & LOCALE

Fluent in **English** and **Korean**; conversational **Mandarin**

Traveled to China · Fiji · France · Germany · Italy · Japan · Singapore · Switzerland · Taiwan · Thailand
United Arab Emirates · United Kingdom

Lived in Canada · Chile · China · Rome · South Korea · USA

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REFERENCES

Dana Čupková

Assistant Professor, Lucian & Rita Caste Chair
Carnegie Mellon University, School of Architecture
danacupkova@gmail.com

Peter de Bretteville

Visiting Critic
Yale School of Architecture
pdebarc5@gmail.com

Panagiotis Michalatos

Assistant Professor in Architectural Technology
Harvard University, Graduate School of Design
panagiotis.michalatos@gmail.com

Andrew Payne

Partner
LIFT Architects, LLC
andyopayne@gmail.com