



# Alex Mademochoritis

**Date of birth:** 27 Dec 1991 | **Nationality:** Greek, French | **Phone number:**

(+33) 633584430 (Mobile) | **Email address:** [alexmademo@gmail.com](mailto:alexmademo@gmail.com) |

**Address:** Paris, France (Home)

## WORK EXPERIENCE

1 OCT 2022 – 1 NOV 2023 Barcelona, Spain

**ADMISSIONS MANAGER** INSTITUTE FOR ADVANCED ARCHITECTURE OF CATALONIA (IAAC)

My tasks are to manage the yearly admissions process of IAAC, set up the systems architecture for the application processes and increase the number of students by working with leads.

9 SEP 2017 – 1 OCT 2022 Barcelona, Spain

**EDUCATION PROGRAM COORDINATOR** INSTITUTE FOR ADVANCED ARCHITECTURE OF CATALONIA (IAAC)

My tasks were to coordinate the academic activities for 2 master's programs and 1 study abroad program at IAAC, increase the number of paying students, consolidate their academic structure and nurture collaborations with our local and international teaching faculty.

**Business or Sector** Education | **Department** Advanced Architecture Group | **Address** Pujades 102, 08005, Barcelona, Spain |

**Website** [www.iaac.net/mact](http://www.iaac.net/mact)

**Link** <https://www.youtube.com/watch?v=kjncYoLuUU>

## EDUCATION AND TRAINING

1 NOV 2023 – CURRENT Marne-la-Vallée, France

**PHD RESEARCHER IN URBAN PLANNING AND SPATIAL PLANNING** Université Gustave Eiffel

*The primary concern of this thesis is to expand the existing knowledge on how heat becomes an issue in cities and what people are doing about it. The objectives of this research are to: a) examine how material systems (e.g., buildings, infrastructure, green spaces) influence urban heat and its social impacts, b) to investigate the role of social practices in shaping thermal experiences and vulnerabilities, c) to analyze the physical activities of urban heat adaptation and how they are deployed d) to develop a comprehensive understanding of the socio-technical materiality of urban heat in the context of climate urbanism.*

**Website** <http://univ-gustave-eiffel.fr> | **Thesis** The Sociotechnical Materiality of Heat

1 OCT 2016 – 30 JUN 2017 Barcelona, Spain

**MASTER IN CITY & TECHNOLOGY** Universitat Politècnica de Catalunya [UPC] Institute for Advanced Architecture of Catalonia [IAAC]

*IAAC's Master in City & Technology is a program oriented towards redefining the analysis, planning, and design of twenty-first-century cities and beyond. The program offers expertise in the design of digitally enhanced, ecological and human-centered urban environments by intersecting the disciplines of urbanism and data science. Taking place in Barcelona, the capital of urbanism, the Master in City & Technology is training the professionals that city administrations, governments, industries, and communities need, to transform the urban environment in the era of big data.*

**Address** Pujades 102, 08005, Barcelona, Spain | **Website** [www.iaac.net/mact](http://www.iaac.net/mact) | **Field of study** Urbanism & Data Science |

**Final grade** 8.7/10 | **Level in EQF** EQF level 7 | **Type of credits** ECTS | **Number of credits** 75 |

**Thesis** Future Flows. [2016- 2017] - Research on the introduction of self-driving cars in Barcelona and dynamic public space design.

**Link** <https://www.youtube.com/watch?v=kjncYoLuUU>

*The purpose of the Department of Interior Architecture is to provide high-quality studies for the training of Interior Architects who will possess high-level knowledge, abilities and skills in the theoretical, artistic, scientific and technological fields, with reference to the formation of space (space planning and object) as an expression of the unity of science and art.*

**Address** Agiou Spiridonos 28, 122 43, Egaleo, Greece | **Website** <https://ia.uniwa.gr/en/home-page/> |

**Field of study** Architecture & Design | **Final grade** 8.19/10 | **Level in EQF** EQF level 6 | **Type of credits** ECTS |

**Number of credits** 240 | **Thesis** Cinematic Architecture - Research on the relationship between cinema and architecture

## ● TEACHING EXPERIENCE

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1 OCT 2017 – CURRENT

### Tutor at the Institute for Advanced Architecture of Catalonia

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At IAAC I've taught the following courses:

- Master in City & Technology: [Theory of Cities Seminar](#) (2021-2023)
- Master in City & Technology: [Computational Urban Design Seminar II](#) (2019)
- Master in City & Technology: [Computational Urban Design Seminar II](#) (2020)
- Master in City & Technology: [Internet of Buildings Studio](#) (2018)
- Master in City & Technology: [Internet of Buildings Studio](#) (2019)
- Master in City & Technology: [Urban Data Analytics Seminar](#) (2018)
- IAAC Precourses: QGIS - Cartography and Urbanism (2018-2023)

I've been Faculty Assistant in the:

- Master in City & Technology: [Designing with Fluxes Studio](#) (2017)

## ● RESEARCH ACTIVITIES

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1 JUL 2022 – 1 AUG 2022

### JASPERS Sustainable Mobility Report

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**Role:** Principal Investigator representing IAAC's AAG

JASPERS (Joint Assistance in Supporting Projects in European Regions) is a technical assistance partnership between the European Commission (EC) and the European Investment Bank (EIB). JASPERS advises public authorities and final beneficiaries on how to plan, develop and implement high-quality projects in the fields of transport, water and wastewater, energy, solid waste and smart development, to be co-financed by European Structural and Investment Funds (ESIF).

*The overall objective of this project was to gain a better knowledge on key issues regarding regional mobility in Spain, Portugal and Italy.*

*In collaboration with Mobility in Chain and the University of Lisbon, IAAC was contracted as the local expert for Spain. I was the principal investigator in charge of providing data collection services for the study area of Canary Islands and Andalusia on the following:*

1. Best practices in sustainable mobility (within the region).
2. Census data at the municipal scale.
3. Travel data & user behavior.

1 MAY 2020 – 1 JUN 2020

### Mapping Spain's Healthcare System

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**Project Leader:** Dr. Areti Markopoulou

**Research and Coordination:** Alex Mademochorits

**Data Visualisation:** Iacopo Neri

*At IAAC's Advanced Architecture Group's Big Data Urbanism team we explored the pandemic outbreak in Spain by creating a series of maps, visualising Spain's hospital infrastructure, its risk areas, the optimum routes to hospitals according to where one is located as well the number of ICUs per affected habitat in one area.*

**Link** [https://rpubs.com/IAAC\\_MaCT](https://rpubs.com/IAAC_MaCT)

## ● PROJECTS

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8 AUG 2022 – CURRENT

### **Podcast: The Masterplan**

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*The Masterplan is a podcast that focuses on the analysis, planning, and design of twenty-first-century cities and beyond.*

*It's produced and created by Alex Mademochoritis and the students of the Master in City and Technology, a research program of the Institute for Advanced Architecture of Catalonia (IAAC) that offers expertise in the design of digitally enhanced, ecological and human-centered urban environments by intersecting the disciplines of urbanism and data science.*

*The Masterplan is available on Spotify and Anchor.*

**Link** <https://anchor.fm/the-masterplan>

## ● MANAGEMENT AND LEADERSHIP SKILLS

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### **Leadership and Project Management**

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*As a leading member of the AAG's Architecture and Urban Data department and a program coordinator for the last 5 years I've developed my skills in managing complex stakeholders in an environment with tight deadlines.*

*Every year I coordinated with close to 30 different tutors in-between 3 different programs, most of them usually coming from different backgrounds and countries, doing research on different topics. In an environment like this you learn to be efficient while at the same time keeping a close eye on the satisfaction of both the students and tutors and the quality of the work that is produced.*

## ● COMMUNICATION AND INTERPERSONAL SKILLS

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### **Excellent communication skills**

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*As an educator, researcher and program coordinator one of my main interests has been to communicate complex subjects to broad audiences. Whether it's through lectures, conferences, publications, video making, or podcasts I'm always interested in my work reaching out to people outside of the academic confines.*

## ● PARTICIPATIONS

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11 NOV 2021 – 12 NOV 2021

### **Moderator at Responsive Cities Symposium 2021: Design with Nature**

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*Moderator: Design & Adapt roundtable discussion moderator at IAAC's Responsive Cities Symposium 2021*

28 OCT 2021 – 28 OCT 2021

### **Presentation at The Conscious Cities Festival**

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*Presentation: Urbanism & Big Data presentation at the Barcelona Chapter of the Centre for Conscious Design, a round table examining the topic of Living Cities through the work of practitioners, academics, researchers, and entrepreneurs.*

14 MAY 2019 – 17 MAY 2019

### **Project Exhibition and Presentation at Barcelona Building Construmat 2019**

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*Project Exhibition and Presentation: Internet of Buildings Model and Presentation at Barcelona Building Construmat 2019 Exhibition.*

## ● HONOURS AND AWARDS

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1 SEP 2016

### **Merit-Based Scholarship – Institute for Advanced Architecture of Catalonia**

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*7500€ merit-based scholarship to study at the Master in City and Technology 2016-2017 program at the IAAC.*

1 SEP 2011

### **Honorable Mention – Arquitectum International Architecture Competition**

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*Loft Boutique - The challenge of the competition was to design a new "Lofts Tower" for a beautiful residential zone in Lima, Peru.*

## ● VOLUNTEERING

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1 AUG 2015 – 1 OCT 2015 Hooke Park, UK

### **Design & Make Summerbuild Program, Architectural Association School of Architecture**

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*Volunteer work at Hooke Park's Summerbuild Program. Assisted in the timber construction of the Woodchip Barn.*

## ● LANGUAGE SKILLS

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Mother tongue(s): **GREEK** | **FRENCH**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
<b>ENGLISH</b>	C2	C2	C2	C2	C2
<b>SPANISH</b>	C1	B2	B1	B1	A2

*Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user*

## ● DIGITAL SKILLS

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Q-gis | Adobe Illustrator | Adobe Indesign | Adobe photoshot | Microsoft Word | Microsoft Powerpoint | Microsoft Excel | Google Drive | Gmail | Rhinoceros 3D basic user | Python | Asana | Miro

## ● DRIVING LICENCE

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**Driving Licence:** B