

## Marios Constantinides - CV

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### RESEARCH INTERESTS

I am currently a Senior Research Scientist in Nokia Bell Labs, Cambridge, and a Visiting Research Fellow at the Department of Computer Science and Technology, University of Cambridge. My research interests revolve around Human-Computer Interaction (HCI), Software Engineering, Machine Learning (ML), and Data Science. In particular, I work in the areas of user modeling, personalization, and mobile- and wearable-sensing with the aim of building technologies that augment the ways people interact and communicate.

### EDUCATION

*Ph.D.*, Computer Science, University College London  
Thesis: Interaction-driven User Interface Personalisation for Mobile News Systems      Oct 2013 – Jul 2018

*M.Sc.*, Software Systems Engineering, University College London  
Thesis: Gadgeteer Internet of Things API      Sep 2012 – Sep 2013

*B.Sc.*, Computer Science, University of Cyprus  
Thesis: Content Authoring System for Dynamic Generation of Adaptive Web Objects      Sep 2008 – Jun 2012

### PROFESSIONAL EXPERIENCE

*University of Cambridge, Cambridge, United Kingdom*      Mar 2019 – present  
Visiting Research Fellow

- Collaborated in a research project for sensing compulsive behavior from wearables, and co-authored with researchers from the Mobile Systems Research Laboratory.
- Co-supervised a B.Sc. student's dissertation on wearable sensing.

*Nokia Bell Labs, Cambridge, United Kingdom*      Oct 2021 – present  
Senior Research Scientist      Aug 2018 – Sep 2021  
Research Scientist

- Worked and led several research projects in the areas of mobile- and wearable-sensing. Led the development of MeetCues, a tool for augmenting online meetings experience and productivity. Co-authored 12 papers published in top-tier conferences and journals, and filed 1 patent application.
- Supervised 9 Ph.D. students during internship programs in the areas of mobile-sensing, ML, data science, and data visualization.

*University College London, London, United Kingdom*      Sep 2014 – Jul 2018  
Teaching Assistant and Supervision

- Teaching lab assistant in a number of modules including Databases, Object-Oriented Programming, Introductory Programming and Apps Design.
- Co-supervised B.Sc. and M.Sc. students' dissertations.

*Telefónica Innovation Alpha, Barcelona, Spain*      Feb 2017 – Jun 2017  
Research Internship

- Worked on a research project for developing mood prediction models for bipolar disorder patients from mobile-sensing and network data.

- My research project was published as a UbiComp'18 paper.

*Lanitis Development LTD, Paphos, Cyprus* Jun 2012 – Sep 2012  
Program Developer, Summer Internship

- Contributed to the development of online tools for the e-Business sector, and gained programming experience on Web development (Web design, PHP, SOAP/WSDL, MySQL)

*DMSL University of Cyprus, Nicosia, Cyprus* Jun 2011 – Sep 2011  
Research Assistant

- Worked on the development of the Airplace Android Application as part of the research project “Airplace”, under the supervision of Prof. Demetris Zeinalipour.

*Avantless LTD - Information Systems, Paphos, Cyprus* Jun 2010 – Sep 2010  
Junior Web Developer, Summer Internship

- Worked on the development of an online tool for the travel business sector using the Joomla framework.

## HONORS AND AWARDS

- Visiting Research Fellow, University of Cambridge. 2019
- Four years Ph.D Full Scholarship by Orange France Telecom, University College London. 2013
- Best Demo Award at MDM conference for the paper titled “The Airplace Indoor Positioning Platform for Android Smartphones”. 2012
- Microsoft Imagine Cup Software Design Competition 3<sup>rd</sup> place national, University of Cyprus. 2012  
Crowdcast: Windows Phone Application based on Proximity Algorithms for Mobile Clients.
- ACM SIGMOD 2011 Programming Contest 6<sup>th</sup> place worldwide, University of Cyprus. 2011  
A High-throughput Main-memory Index that Uses Flash-based Solid-State-Disk for Durability.

## SELECTED PUBLICATIONS

Google Scholar Citations: 179; h-index: 7; i10-index: 4 (as of September 10, 2021)

- “How Epidemic Psychology Works on Twitter: Evolution of Responses to the COVID-19 Pandemic in the U.S.”. *Humanities and Social Sciences Communications*, 2021.
- “Anticipatory Detection of Compulsive Body-focused Repetitive Behaviors with Wearables”. *MobileHCI*, 2021.
- “Stretonomics: Quantifying Culture Using Street Names”. *PloS One*, 2021.
- “ComFeel: Productivity is a Matter of the Senses Too”. *IMWUT (UbiComp)*, 2020.
- “Wellbeat: A Framework for Tracking Daily Well-being Using Smartwatches”. *IEEE Internet Computing*, 2020.
- “MeetCues: Supporting Online Meetings Experience”. *IEEE Visualization Conference*, 2020.
- “Places for News: A Situated Study of Context in News Consumption”. *INTERACT*, 2019.
- “A Framework for Interaction-driven User Modeling of Mobile News Reading Behaviour”. *UMAP*, 2018.
- “Exploring Mobile News Reading Interactions for News App Personalisation”. *MobileHCI*, 2015.
- “The Airplace Indoor Positioning Platform for Android Smartphones”. *MDM*, 2012.

## SELECTED PRESS COVERAGE

- “Researchers have identified the 3 stages of pandemic emotions”. *Fast Company*, 2021.
- “Stretonomics: What our addresses say about us”. *BBC Future*, 2021.
- “Street names show why great cities are worlds apart”. *The Times*, 2021.
- “What does your local street name tell you about the country you live in?” *The Times Radio*, 2021.
- “How streets in New York, London, Paris, and Vienna got their names, according to stretonomics”. *Fast Company*, 2021.

- “On the move. Cambridge and Nokia Bell Labs are working together on next-generation mobile technologies”. *University of Cambridge*, 2020.

## PROFESSIONAL SERVICE

### *Conference Organization*

- Sensing Blended Experiences in Professional and Social Contexts Workshop (SensiBlend) at ACM UbiComp, 2021

### *Technical Program Committee*

- UMAP 2021
- IUI, UMAP, and UbiComp Workshops 2020, 2021

### *Reviewer*

- CHI 2016, 2019, 2020, 2021
- CSCW 2019, 2020, 2021
- IMWUT 2019, 2020, 2021
- ISWC 2021
- MobileHCI 2015
- UMAP 2016, 2017, 2018, 2019, 2021
- INTERACT 2019, 2021
- CHIGreece 2021
- Personal and Ubiquitous Computing 2019
- IEEE Pervasive Computing 2020
- Springer Adaptive Environments 2021

## TEACHING AND SUPERVISION EXPERIENCE

### *University College London (Teaching Assistant)*

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|---|----------------|
| • COMP3013/GC06: Database and Information Management Systems, (20h) | Jan – Mar 2018 |
| • COMPGC02: Design, (20h)   | Sep – Dec 2017 |
| • COMPGC02: Design, (20h)   | Sep – Dec 2016 |
| • COMP103p: Object-Oriented Programming, (40h)                      | Jan – Apr 2016 |
| • COMP3013/GC06: Database and Information Management Systems, (35h) |                |
| • COMPGC01: Introductory Programming, (29h)                         | Sep – Dec 2015 |
| • COMPGC02: Design, (20h)   |                |
| • COMP103p: Object-Oriented Programming, (48h)                      | Jan – Apr 2015 |
| • COMP3013/GC06: Database and Information Management Systems, (35h) |                |
| • COMPGC02: Design, (27h)   | Sep – Dec 2014 |
| • COMP3013/GC06: Database and Information Management Systems, (38h) | Jan – Apr 2014 |

### *Supervision Experience*

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|---|---------------------|
| • Nokia Bell Labs. Supervised 9 Ph.D. student interns for 3-month projects. | Aug 2018 – present  |
| • University of Cambridge. Co-supervised 1 BSc dissertation.                | Sep 2019 – Sep 2020 |
| • University College London. Co-supervised 1 HCI Masters student.           | Sep 2017 – Jun 2018 |
| • University College London. Co-supervised 2 M.Eng. students                | Sep 2014 – Sep 2017 |

## INVITED TALKS, GUEST LECTURES, AND PANELS

- Guest Lecture. “Culture Quantification Using Street Names and Cultural Maps”.  
*Geomatics course at CEPT University, India.* Sep 2021
- Invited talk. “Stretonomics: Quantifying Culture Using Street Names”.  
*Kings College London (CUSP).* Jul 2021
- Invited talk. “Workplace Productivity and Well-being”.  
*RAIS Marie Curie European Training Network Summer School* May 2021
- Guest Lecture. “Workplace Productivity”. *EPL202 course at University of Cyprus* Apr 2021
- Invited talk. “Understanding Workplace Activities through Wearable Sensing”.  
*University of Cambridge* Nov 2020
- Invited talk. “Tools for Augmenting Meetings Experience”.  
*University College London (UCLIC)* Nov 2020
- Guest Lecture. “Physiological Sensing using Wearable Devices”.  
*EPL202 course at University of Cyprus* Mar 2020
- Panel. “Future of Homes, Housing, and Urbanisation”.  
*Intellectual Forum, Jesus College, Cambridge* Sep 2019
- Guest Lecture. “Modeling User’s Behavior: Towards Interaction-driven User Interface Personalization in Mobile Apps”. *EPL202 course at University of Cyprus* Mar 2018
- Invited talk. “Interaction-driven User Interface Personalization for Mobile News Apps”.  
*BBC R&D and UCL, London* Nov 2017
- Invited talk. “Adaptive User Interfaces for Mobile News Apps”. *The Guardian, London* May 2016
- Invited talk. “Adaptive Mobile User Interfaces”.  
*User Modeling, Adaptation and Personalization Workshop, Ayia Napa, Cyprus* Jun 2015

## TECHNICAL SKILLS

- Programming Languages: Python, Java, C/C++
- Web Application Programming: PHP, AngularJS, HTML, JavaScript/jQuery, AJAX, CSS, XML/JSON
- Databases: Microsoft SQL Server, MySQL
- Operating Systems: Windows, Mac, Unix/Linux
- Mobile and Wearable Development: Android, Tizen, Flutter

## MEMBERSHIP

ACM Member 2015 - present  
IEEE Member 2015 - present

## LANGUAGES

Greek [Mother tongue]  
English [Fluent]  
Spanish [Conversational]

## CITIZENSHIP

Cypriot  
British

## REFERENCES

Available upon request