

# Marios Constantinides

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## RESEARCH INTEREST

I am currently working as a Research Scientist in Nokia Bell Labs, Cambridge under the Social Dynamics Team, led by Dr. Daniele Quercia. My research interests revolve around Human-Computer Interaction (HCI), Machine Learning (ML), and Data Science. In particular, I work in the areas of user modelling, personalization, and mobile-sensing with the aim of understanding psychological aspects of human behaviour that are hard to quantify, and building technologies that will augment people's interactions and daily habits.

## EDUCATION

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

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

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

## PROFESSIONAL EXPERIENCE

*Department of Computer Science and Technology, University of Cambridge* Mar 2019 – present  
Visiting fellow

*Nokia Bell Labs, Cambridge, United Kingdom* Aug 2018 – present  
Research Scientist

- Understanding psychological aspects of human behaviour such as humans' perceptions, feelings, and preferences using passive data obtained from wearables
- Conducting laboratory and 'in-the-wild' studies to capture people's experience in different daily habits such as listening to music, watching videos, attending meetings.

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

- Defined a set of behavioural indexes that automatically computed from data captured from mobile phones or mobile network.
- Explored the associations between such indexes and the ground-truth information acquired in already conducted experiments (e.g. mood variations) and apply machine learning techniques to explore the predictive power of a set of behavioural indexes to predict future states.

*University College London* Sept 2014 – present  
Teaching Assistant

- Teaching lab assistant in a number of modules including Databases, Object-Oriented Programming, Introductory Programming and Apps Design, and co-supervised Undergraduate and Masters students.

*Lanitis Development LTD, Paphos, Cyprus*

Jun 2012 – Sept 2012

Program Developer, Summer Internship

- Created the ability to co-operate, solve problems and work in teams while assisting for the development of online tools for the e-Business sector.
- Able to plan ahead and utilized my creativity skills in all of my assigned duties (Golf and Spa Online Reservation System and Backup Procedures).
- Enhanced my programming skills and acquired further experience on the Web Development area (Web design, PHP, SOAP/WSDL, MySQL).

*Data Management Systems Laboratory, University of Cyprus*

Jun 2011 – Sept 2011

Research Assistant

- Highly involved in research project “Airplace” titled “A platform for the evaluation of fingerprint positioning algorithms on Android Smartphones” under the supervision of Dr. D. Zeinalipour.
- Worked on the development of Airplace Android Application using Android SDK, Java.
- Acquired, developed and improved researching skills through my contribution on the Airplace project.

*Avantless LTD - Information Systems, Paphos, Cyprus*

Jun 2010 – Sept 2010

Junior Web Developer, Summer Internship

- Actively involved in the development of online tools for the travel business sector through customising an existing system using Joomla CMS Framework.
- Obtained time-management, organizational and decision making skills while working on strict deadlines.

## HONOURS AND AWARDS

- Ph.D Full Scholarship by Orange France Telecom, University College London 2013
- Best Demo Award at MDM’12 conference for “The Airplace Indoor Positioning Platform for Android Smartphones” 2012
- Microsoft Imagine Cup Software Design Competition – 3rd place national, University of Cyprus 2012  
Crowdcast: Windows phone application based on proximity algorithms for mobile clients.
- ACM SIGMOD 2011 Programming Contest: A high-throughput main-memory index that uses flash-based Solid-State-Disk for durability. — 6th place worldwide, University of Cyprus 2011

## PUBLICATIONS

- **M. Constantinides**, J. Dowell “A Framework for Interaction-driven User Modeling of Mobile News Reading Behaviour”, (Submitted at UMAP 2018)
- **M. Constantinides**, J. Dowell “User Interface Personalization in News Apps”, Proceedings of the ACM International Conference on User Modeling, Adaptation and Personalization (UMAP 2016), Workshop on News Recommendation and Analytics (INRA 2016), Halifax, Canada, 2016.
- **M. Constantinides**, J. Dowell, D. Johnson, S. Malacria “Exploring Mobile News Reading Interactions for News App Personalisation”, Proceedings of the 17th International Conference on Human-Computer Interaction with Mobile Devices and Services (MobileHCI ’15), Copenhagen, Denmark, 2015
- **M. Constantinides**, J. Dowell, D. Johnson, S. Malacria “Habito News: A research tool to investigate mobile news reading.”, Proceedings of the 17th International Conference on Human-Computer Interaction with Mobile Devices and Services Adjunct (MobileHCI ’15), Copenhagen, Denmark, 2015
- **M. Constantinides**, “Apps with habits: Adaptive Interfaces for News Apps”, Proceedings of the 33rd Annual ACM Conference Extended Abstracts on Human Factors in Computing Systems (CHI ’15), Seoul, South Korea, 2015
- M. Belk, P. Germanakos, E. Papatheocharous, **M. Constantinides**, G. Samaras, “Supporting Adaptive Interactive Systems with Semantic Markups and Human Factors”, 7th International Workshop on Semantic and Social Media Adaptation and Personalization (SMAP ’12), Luxembourg, 2012

- **M. Constantinides**, G. Constantinou, A. Panteli, T. Phokas, G. Chatzimilioudis, D. Zeinalipour-Yatzi, “Proximity Interactions with Crowdcast”, 11th Hellenic Data Management Symposium (HDMS ’12), Chania, Greece, 2012
- C. Laoudias, G. Constantinou, **M. Constantinides**, S. Nicolaou, D. Zeinalipour-Yatzi, C. G. Panayiotou, “The Airplace Indoor Positioning Platform for Android Smartphones”, 13th IEEE International Conference on Mobile Data Management (MDM ’12), IEEE Computer Society, Bangalore, India, 2012
- C. Laoudias, G. Constantinou, **M. Constantinides**, S. Nicolaou, D. Zeinalipour-Yatzi, C. G. Panayiotou, “The Airplace Indoor Positioning Platform”, 10th International Conference on Mobile Systems, Applications and Services (MobiSys’12), Low Wood Bay, Lake District, UK, 2012
- C. Laoudias, G. Constantinou, **M. Constantinides**, S. Nicolaou, D. Zeinalipour-Yatzi, C. G. Panayiotou, “A Platform for the Evaluation of Fingerprint Positioning Algorithms on Android Smartphones”, International Conference on Indoor Positioning and Indoor Navigation (IPIN), Guimaraes, Portugal, 2011

## TEACHING

*University College London*

Teaching Assistant

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

## PROJECT SUPERVISION

*University College London*

Oct 2016 – Apr 2017

Second supervisor of Danyaal Masood - MEng student

- Thesis: Investigation of Adaptive User Interfaces in a News App

*University College London*

Jun 2015 – Sept 2015

Second supervisor of Yuval Roy Cohen - HCI Masters student

- Thesis: Places for news: A Situated Study of Context and Research Methods in News Consumption

*University College London*

Sept 2014 – Apr 2015

Second supervisor of David Johnson - MEng student

- Thesis: Adaptive Mobile User Interfaces: A Study on News Apps Personalisation

## RESEARCH ACTIVITIES

*Reviewer*

- CHI 2016, 2019, 2020
- CSCW 2019, 2020
- IMWUT 2019, 2020
- MobileHCI 2015
- UMAP 2016, 2017, 2018, 2019
- Personal and Ubiquitous Computing (journal)

### *Summer School*

- Attend the "Research Methods in HCI" summer school, Limmasol, Cyprus July 6-10 2015.

### **MEMBERSHIP**

*ACM Member (2015 - present)*

### **TECHNICAL SKILLS**

- Programming Languages: Java, Python, 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 Development: Android

### **LANGUAGES**

Greek [Mother tongue]

English [Fluent]

Spanish [Conversational]

### **REFERENCES**

Available upon request