

Pedro Luis Mateo Navarro

PhD in Computer Science



bio

born 24th Nov, 1984
Murcia, Spain

contact

+34 626 142933
pedrolmn@gmail.com
www.pedromateo.es

social

linkedin
researchgate
google scholar
github
youtube

languages

spanish (m.t.)
english (Euro B2)
german (Euro A1)

quick view

8+ year experience

Research SW Quality

HCI Testing QA

C++ Java Qt

Python Android

Webapps MDE

desired employment

QoE, UX, HCI Engineer
QA, Testing Engineer

updated jan'16

experience

- Jul'14–Present *University of Murcia - Cátedra SAES* Murcia, Spain (www.catedrasaes.org)
PhD. Innovation, full-stack engineer.
Research engineer in Quality of Software, UX and HCI.
Research GUI testing QoE-UX MDE Agile prototyping
Development Qt C++ 3D Data Visualization Cucumber Capybara Python
Selenium Webapps GIS Javascript Leaflet Java
- Jul'15 *University of Murcia - Capgemini* Murcia, Spain (www.capgemini.com)
Training for web developers.
Teaching HTML5 CSS3 Javascript PHP
- Feb'11–Jul'11 *Telekom Innovation Labs* Berlin, Germany (www.laboratories.telekom.com)
PhD candidate. Research assistant in Quality of Multimodal Human-Computer Interaction.
Research Multimodal interaction Models Analysis Evaluation Tools
Development Android Java MDE User experiments
- Dec'08–Jul'14 *University of Murcia - Cátedra SAES* Murcia, Spain (www.catedrasaes.org)
PhD candidate. Research assistant in Quality and Usability of Software, Quality of User Experience and Quality of Human-Computer Interaction.
Research GUI testing Mobile interaction QoE-UX MDE Agile prototyping
Data verification Teaching
Development Qt C++ Java Android
- '07–'12 *Univ. of Murcia and SAES* Cartagena, Spain (www.electronica-submarina.com)
Software Back-end and Front-end Designer, C++ Developer.
Development Military software C++ Qt iLog Linux Windows Embedded

education

- 2009–2014 *PhD in Computer Science* University of Murcia, Spain (www.um.es)
"Enhancing Software Quality & Quality of Experience through User Interfaces".
Honors: Graduated Summa Cum Laude. International Mention.
- 2014 *Human-Computer Interaction Certification* Univ. of California, San Diego (Coursera)
Human-Computer Interaction Certification with Prof. Scott Klemmer.
- 2009–2010 *Master degree in AITT.* University of Murcia, Spain (www.um.es)
Master degree in Advanced Information and Telematic Technologies.
Networks, sensors, mobile applications, AI, knowledge management, etc.
Thesis: "A Framework for Aspect-Oriented GUI Data Verification".
- 2009 *CAP (Official Teaching Certificate)* University of Murcia, Spain (www.um.es)
Teaching skills specialized in scientific and technical education.
Certificado de Aptitud Pedagógica (CAP).
- 2005–2007 *Computer Science (5 year Degree)* University of Murcia, Spain (www.um.es)
SW development, HW, telematic technologies, AI, mobile apps, etc.
Honors: Graduated Magna Cum Laude.
- 2002–2005 *Computer Engineering (3 year Degree)* University of Murcia, Spain (www.um.es)
SW development, HW, networks, e-business, knowledge management, etc.
Honors: Graduated Summa Cum Laude. Outstanding Graduate of the Year Award.

publications

(Condensed version) (For all publications, Pedro Luis Mateo Navarro is the first author.)

PhD Thesis

- ★ Enhancing Software Quality and Quality of Experience through User Interfaces (2014)

JCR Journals (4)

- ★ A Lightweight Framework for Dynamic GUI Data Verification Based on Scripts, STVR (2015)
- ★ **Run-time Model Based Framework for Automatic Evaluation of Multimodal Interfaces, JMUI (2014)**
- ★ A Context-aware Interaction Model for the Analysis of Users QoE in Mobile Environments, IJHC (2014)
- ★ **OpenHMI-Tester: An Open and Cross-Platform Architecture for GUI Testing and Certification, IJCSSE (2010)**

Other Journals (3)

- ★ CARIM: Un Modelo de Interacción para el Análisis de la QoE en Entornos Móviles (CARIM: an Interaction Model for the Analysis of QoE in Mobile Environments), FAZ (2014)
- ★ **A Proposal for Automatic Testing of GUIs based on Annotated Use Cases, AISE (2010)**
- ★ Aplicación de Open HMI Tester como framework open-source para herramientas de pruebas de software (Using Open HMI Tester as an Open-source Framework for the Development of Testing Tools), REICIS (2009)

Conferences and Workshops (7)

- ★ A Context-aware Model for QoE Analysis in Mobile Environments, ICHCI (2013)
- ★ **A Context-aware Model for the Analysis of User Interaction and QoE in Mobile Environments, CENTRIC (2012)**
- ★ Model-based Measurement of Human-Computer Interaction in Mobile Multimodal Environments, aMMI (2012)
- ★ **Towards Software Quality and User Satisfaction through User Interfaces, ICST (2011)**
- ★ Verificación de Datos en la GUI como un Aspecto Separado de las Aplicaciones (Verifying GUI Data as a Separate Aspect), PRIS'10 - JISBD (2010)
- ★ **Open HMI Tester: un Framework Open-source para Herramientas de Pruebas de Software (Open HMI Tester: an Open-source Framework for Software Testing), PRIS'09 - JISBD (2009)**
- ★ Automated GUI Testing Validation guided by Annotated Use Cases, MOTES (2009)

awards

- 2012 Best paper award in CENTRIC 2012, Lisbon (Portugal).
(www.iaria.org/conferences2012/awardsCENTRIC12/centric2012_a4.pdf)
- 2007 Graduated Magna Cum Laude in Computer Engineering (5 year Degree).
University of Murcia, Spain (www.um.es)
- 2005 Outstanding Graduate of the Year in Computer Engineering (3 year Degree).
University of Murcia, Spain (www.um.es)
- 2006 Contestant in South Western Europe Regional ACM Programming Contest.
Universidade Nova de Lisboa, Portugal

other skills and competences

- work** leadership, team spirit, autodidactic, adaptation to multicultural environments
- others** european driving license: Category B vehicle and Category A motorbike

interests

- professional** SW quality interaction quality users apps context adaptive software systems design foss
- personal** friends sports DIY clean energy music playing guitar travel