

## MOHAMED EZ-ZAOUIA

Ph.D. Candidate. University of Lyon, Department of Informatics.

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### RESEARCH INTEREST

Studying people and collaborating with them to design better ways, methods, technologies, that serve needs, and improve experiences and outcomes of life learning, teaching, and practice; along with distilling the social, pedagogical, and technical underpinnings.

### EDUCATION

Ph.D. Candidate. Information and Computer Sciences, Dept. of Informatics, 2017 —current  
University of Lyon, Lyon, France

Dissertation: *Information Dashboards Design and Use In-situ to Inform Teachers' Pedagogical Practices*

Advisors: Aurélien Tabard and Elise Lavoué

M.S. Information and Computer Sciences, Dept. of Informatics, 2015 —2016

University of Blaise Pascal, Clermont-Ferrand, France

Dissertation: *Multimodal Emotion Analysis and Visualization*

Advisor: Elise Lavoué

M.S. Information and Computer Sciences, with Honors, Dept. of Software Engineering, 2010 —2013

University of Mohamed V, Advanced Institute for Information Technology and System Analysis, Morocco

Dissertation: *Business process design and integration of payment modes in Open Payment Framework*

Advisor: Bouchra El Asri

Preparatory Classes for Graduate School. Mathematics Sciences, 2007 —2010

Technical High School of Mohamed V, Beni Mellal, Morocco

Bac / High-School Degree. Mathematics Sciences, with Honors, 2006 —2007

High School of Moulay Rachid, Beni Mellal, Morocco

### APPOINTMENTS

Cifre, Ph.D. Candidate, University of Lyon, Lyon, 2017 —current

Liris's Sical team in collaboration with Woonoz, 2018 —current

Liris's Sical team in collaboration with SpeakPlus, 2017

Intern, M.S. degree, Liris research lab & SpeakPlus, Lyon, six months —2016

Liris's Sical team

Software Engineering Analyst, Accenture, Morocco, 2013 —2015

Telecommunication, Upgrade of the billing system of Orange Ivory Cost  
 Accounting, Design and integration of new accounting system for Royal Air Morocco  
 Banking, Integration of Open Payment Framework (OPF) for Santander bank  
 Intern, M.S. degree, Accenture, Morocco, six months — 2013  
 Accenture's Clear2Pay team

## PUBLICATIONS

### Journal papers

- **Mohamed Ez-zaouia**, Aurélien Tabard, and Elise Lavoué. Emodash: A dashboard supporting retrospective awareness of emotions in online learning. *International Journal of Human-Computer Studies*, 139:102411, 2020a. ISSN 1071-5819. doi:<https://doi.org/10.1016/j.ijhcs.2020.102411>. URL <http://www.sciencedirect.com/science/article/pii/S1071581918305585>

### Conference papers

- **Mohamed Ez-zaouia**, Aurélien Tabard, and Elise Lavoué. Progdash: Lessons learned from a learning dashboard in-the-wild. In *Proceedings of the 12th International Conference on Computer Supported Education - Volume 2: CSEU*, pages 105–117. INSTICC, SciTePress, 2020b. ISBN 978-989-758-417-6. doi:[10.5220/0009424801050117](https://doi.org/10.5220/0009424801050117). **Best Industrial Paper Award**
- **Mohamed Ez-zaouia** and Elise Lavoué. EMODA: A tutor oriented multimodal and contextual emotional dashboard. In *Proceedings of the Seventh International Learning Analytics & Knowledge Conference*, LAK '17, pages 429–438, Vancouver, British Columbia, Canada, 2017b. ACM. ISBN 978-1-4503-4870-6. doi:[10.1145/3027385.3027434](https://doi.org/10.1145/3027385.3027434)
- **Mohamed Ez-zaouia** and Elise Lavoué. Emoda : un tableau de bord de suivi des émotions des apprenants en formation par visio-conférenc. In *8 Conférence sur les Environnements Informatiques pour l'Apprentissage Humain*, pages 385–387, Strasbourg, France, 2017a. ISBN 978-2-9552774-6-1

### Workshop papers

- **Mohamed Ez-zaouia**. Teacher-centered design process. In *Companion Proceedings 10th International Conference on Learning Analytics & Knowledge, in the 2nd International Workshop on Explainable Learning Analytics*, LAK '20, pages 511–528, Frankfurt, Germany, 2020

### Posters and other fora

- **Mohamed Ez-zaouia** and Elise Lavoué. Emoda : un tableau de bord de suivi des émotions des apprenants en formation par visio-conférenc. In *8 Conférence sur les Environnements Infor-*

*matiques pour l'Apprentissage Humain*, pages 385–387, Strasbourg, France, 2017a. ISBN 978-2-9552774-6-1

- **Mohamed Ez-zaouia**. Emodash: Faciliter le suivi des apprenants en ligne. In *7èmes Rencontres des Jeunes Chercheuses et Jeunes Chercheurs en Interaction Homme-Machine*, 2017

## TECHNICAL SKILLS

### User-Centered Web Design

User needs gathering & analysis: Interviews, Observations, Formative usability testing

Full stack web developer: Type/Javascript, Nodejs, Angular, React, D3js

### Data Analysis

Qualitative: Exploratory/Thematic analysis

Quantitative: None/Parametric analysis

### Tooling

Scientific: R, Python, Google Colab/Jupyter

Other: Git, Docker, MongoDB, SQL

## TEACHING

### Instructor

- Web Design and Information Systems, 2017

## SERVICE

### Reviewer

- Nordic Conference on Human Computer Interaction (NordiCHI), 2020
- Alt.CHI, ACM Conference on Human Factors in Computing Systems (CHI), 2020
- International Conference on Web-based Learning (ICWL), 2019
- Conférence Francophone sur l'Interaction Homme-Machine (IHM), 2018
- ACM Symposium on Virtual Reality Software and Technology (VRST), 2017

## FUNDING

### Grants

- ANRT, Cifre, 42,000 euros, *Information Dashboards Design and Use to Inform Teachers' Pedagogical Practices*, [ANRT, grant number 2016/884 and 2018/0093, Ph.D. Cifre proposal], Mohamed Ezzaouia, Aurélien Tabard, Elise Lavoué, 2017 — 2020.

## REFERENCES

Elise Lavoué<sup>1</sup>, Associate Professor, LIRIS, iaelyon School of Management, University of Lyon  
Aurélien Tabard<sup>2</sup>, Associate Professor, LIRIS, University of Lyon

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<sup>1</sup><https://perso.liris.cnrs.fr/elise.lavoue/> —Email: elise.lavoue at univ-lyon3.fr

<sup>2</sup><https://www.tabard.fr/> —Email: aurelien at tabard.fr