Valentin Lachand | PhD student in computer science

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Education

University Claude Bernard Lyon 1 — **Villeurbanne (France)**
Master of science in computer science — *2015–2016*
Artificial intelligence and decision

University of Savoie — **Le bourget du lac (France)**
Bachelor of honor in computer science — *2014-2015*
Cooperative systems

University of Savoie — **Le bourget du lac (France)**
Bachelor in computer science — *2011-2014*

Master thesis

Title: *Design of indicators in order to improve regulation in collaborative activities*

supervisors: Jean-Charles Marty, Audrey Serna, Aurélien Tabard

description: Regulatory mechanisms are important when pursuing collaborative activities. I studied the impact of visualization and multiple devices on the control process of collaborative activities. More precisely, I studied two kinds of indicators : indexical and symbolic indicators. I conducted a preliminary study with 32 participants. The results lead us think that a mixed use of indexical and symbolic visualizations would be more effective.

Experience

Current work

SICAL, LIRIS, Université de Lyon — **Lyon**
PhD Student — *December 2016 - 2020*
Activity Based Computing, meets Classroom Orchestration : How to support rich activities multi-device, multi-location collaborative learning activities ?

Internships

SICAL, LIRIS, Université de Lyon — **Lyon**
Febuary – June 2016
Design of indicators in order to improve regulation in collaborative activities.

GOAL, LIRIS, Université de Lyon — **Lyon**
May – September 2015
Study and implementation of comparison algorithms with huge graphs.

Languages

French: Native

English: B2 *FCE*

Spanish: reading

Research skills

Design of controlled experiments
Qualitative data analysis

Computer skills

Programming: Python, Java, C/C++, Javascript, Caml/OCaml

Web: D3

Databases: SQL, PHP

Electronics: Arduino, VHDL

Publications

Lachand, V., Serna, A., Tabard, A., and Marty, J.-C. The impact of indexical and symbolic indicators on the regulation of collaborative activities. In *Actes De La 28lème Conférence Francophone Sur L'Interaction Homme-Machine* (New York, NY, USA, 2016), IHM '16, ACM, pp. 144–154.