

Bruno Fruchard

PH.D. STUDENT

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EDUCATION

Bachelor in Computer Science

BACHELOR'S DEGREE

Université Paris-Sud, France

Sep. 2011 - Jun. 2013

- General knowledge about Computer Science

Master of Science in Computer Science

MASTER'S DEGREE

Université Paris-Sud, France

Sep. 2013 - Sep. 2015

- Courses focused on Human-Computer Interaction

Working on a Ph.D. Thesis

PH.D. THESIS

Télécom ParisTech, France

Oct. 2015 - (Oct. 2018)

- *Interaction Techniques Exploiting Memory to Facilitate Access to Commands*

EXPERIENCE

Development of a Multi-Scaled Realistic Librarian Chat Bot

ENGINEERING INTERNSHIP

LIMSI, France

Apr. 2013 - Jul. 2013

- Engineering Internship made in the CPU team (CNRS) supervised by Nicolas Sabouret
- Implementation of a virtual agent with several realistic levels

Smarties: An Input System for Wall Display Development

ENGINEERING INTERNSHIP

Université Paris-Sud, France

Apr. 2014 - Jul. 2014 (1 day a week)

- improvement of the Smarties software

Virtual Navigation on Wall-Displays

RESEARCH ASSISTANT INTERNSHIP

Université Paris-Sud, France

Apr. 2015 - Sep. 2015

- Internship made in the ILDA team (INRIA) supervised by Olivier Chapuis and Emmanuel Pietriga
- Comparison of pan & zoom techniques on wall-sized displays

PUBLICATIONS

- [1] Bruno Fruchard. "Interaction Techniques Exploiting Memory to Facilitate Command Activation". In: *29ème conférence francophone sur l'Interaction Homme-Machine*. Ed. by AFIHM. Rencontres doctorales. AFIHM. Poitiers, France, Aug. 2017. URL: <https://hal.archives-ouvertes.fr/hal-01577856>.
- [2] Bruno Fruchard, Eric Lecolinet, and Olivier Chapuis. "Démonstration de MarkPad : Augmentation du pavé tactile pour la sélection de commandes". In: *29ème conférence francophone sur l'Interaction Homme-Machine*. Ed. by AFIHM. AFIHM. Poitiers, France, Aug. 2017, 2 p. URL: <https://hal.archives-ouvertes.fr/hal-01577687>.
- [3] Bruno Fruchard, Eric Lecolinet, and Olivier Chapuis. "MarkPad: Augmenting Touchpads for Command Selection". In: *Proceedings of the 2017 CHI Conference on Human Factors in Computing Systems*. CHI '17. Denver, Colorado, USA: ACM, 2017, pp. 5630–5642. ISBN: 978-1-4503-4655-9. DOI: [10.1145/3025453.3025486](https://doi.org/10.1145/3025453.3025486). URL: <http://doi.acm.org/10.1145/3025453.3025486>.

VOLUNTEERING

Journée Interaction Homme-Machine et Intelligence Artificielle

STUDENT VOLUNTEER

UPMC, France

Mar. 17, 2017

- Helping for the organization of this event.

ACM CHI 2017

STUDENT VOLUNTEER

Denver, CO, USA

May 6-11, 2017

- 20 hours spent to help organizing the event

UEIS 2017

STUDENT VOLUNTEER

UPMC, France

Oct. 31, 2017

- Helping the organization of this event.

Reviewer for CHI'18

FULL PAPER

CHI'18, Montréal

21 Apr. 2018 - 26 Apr. 2018

TEACHING

IGR201: Développement d'apps interactives 2D, 3D, Mobile et Web

TEACHING ASSISTANT

- Development of interactive applications in different contexts
- Languages used: C++, Java, JavaScript

Télécom ParisTech, France
2015-2016

INF224: Paradigmes de programmation

TEACHING ASSISTANT

- Object-Oriented Programming in C++

Télécom ParisTech, France
2015-2016

INF723: Java et Génie Logiciel

TEACHING ASSISTANT

- Java programming

Télécom ParisTech, France
2015-2016

IGR201: Développement d'apps interactives 2D, 3D, Mobile et Web

TEACHING ASSISTANT

- Development of interactive applications in different contexts
- Languages used: C++, Java, JavaScript

Télécom ParisTech, France
2016-2017

INF224: Paradigmes de programmation

TEACHING ASSISTANT

- Object-Oriented Programming in C++

Télécom ParisTech, France
2016-2017

IGR203: Interaction Homme-Machine

TEACHING ASSISTANT

- Human Computer-Interaction theory and programming

Télécom ParisTech, France
2016-2017

IGR204: Visualization

TEACHING ASSISTANT

- Visualization theory and programming
- Tools used: D3 and Processing

Télécom ParisTech, France
2016-2017

SLR207: Infrastructures et plateformes pour l'informatique répartie

TEACHING ASSISTANT

- Distributed computing programming in Java

Télécom ParisTech, France
2016-2017

SCIENTIFIC MANIFESTATIONS

"Qu'est-ce qu'un chercheur en IHM ?"

TALK

- Presentation of HCI research to highschool students

Télécom ParisTech, France
Oct. 28, 2016

"Qu'est-ce qu'un chercheur en IHM ?"

TALK

- Presentation of HCI research to highschool students

Télécom ParisTech, France
Oct. 27, 2017