

# VINCENT LAMBERT

Engineer and PhD student in computer science

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Vincent-LAMBERT

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## PROFESSIONAL BACKGROUND

Engineer (fixed-term)

IIHM team of the LIG (Grenoble Computer Science Laboratory)  
Université Grenoble Alpes

1 Sept 2025 – 28 Feb 2026

Saint Martin d'Hères, France

Improvement and preparation of the [Python](#) and [Unity](#) packages designed during the PhD (microrep and  $\mu$ RepXR) for public release. Creation of a demonstration for microgesture interaction in Virtual Reality for the French-language conference IHM'25 Toulouse in collaboration with Charles Bailly (Immersion - Bordeaux) [3]. Implementation of an experiment on the evaluation of help interfaces for microgesture interaction in Augmented Reality (in progress).

End-of-studies project (6-month internship)

IIHM team of the LIG (Grenoble Computer Science Laboratory)  
Université Grenoble Alpes

21 Feb 2022 – 22 July 2022

Saint Martin d'Hères, France

Internship topic: "Discoverability of micro-gestures in Augmented Reality".

- 2D images ([Gimp](#), [Inkscape](#)), 3D modeling ([Blender](#)), Augmented Reality application ([Unity](#)), static website ([HTML/CSS/JavaScript](#))

Research supervisors: Adrien Chaffangeon-Caillet, Laurence Nigay  
School supervisor: Anne-Favre Nicolin

Engineer's Assistant Internship (2-3 months)

Metrologic Group

25 Mai 2021 – 06 Août 2021

Meylan, France

Internship subject: "Windows-Linux portability". Automatic conversion of [Visual Studio](#) solutions into [CMake](#) projects (done with [Python](#)).

## EDUCATION

PhD on Human-Computer Interaction

IIHM team of the LIG (Grenoble Computer Science Laboratory)  
Université Grenoble Alpes

Sept 2022 – Aug 2025

Saint Martin d'Hères, France

Thesis topic: "Representation of interactions based on hand micro-gestures". Publications: [1], [2], [4].

- [Inkscape](#) plugins et experiment softwares made with [Python](#) (Inkex, Mediapipe, OpenCv), smartwatch application ([Kotlin](#) with [Android Studio](#)), static ([HTML/CSS/JavaScript](#)) and dynamic website ([NodeJs/Express](#))

Supervisors: Laurence Nigay, Sylvain Malacria and Alix Goguey

## MOST PROUD OF



My Tabletop RPG

10 years of work to create a complete universe and an original game system



My associative commitments

3 associations during the covid



My thesis

Passed the 13 november 2025

## LANGUAGES



French

Native



English

C1 (TOEIC) and B2 (First)



Spanish

B2 (according to the CECR)

## ASSOCIATIONS

Association des Faluchards Grenoblois

President

Sept 2021 – Sept 2022

Management of student events (quarterly parties and annual special weekend with ~150 people), group orders and local partnerships.

Pôle Communication de l'Ensimag

President

April 2020 – May 2021

Writing for the monthly school newspaper and taking photographs/videos.

Bureau des Arts (BDA) de l'Ensimag

Vice-treasurer

April 2020 – May 2021

Budget estimates for the year (Cash balance ~4500€). Organization of two Quiz evenings remotely (~60 people on Discord for 4 hours).

## ENSIMAG engineering diploma

### Grenoble INP - Ensimag

📅 Sept 2019 – July 2022

📍 Saint Martin d'Hères, France

Engineering degree in Computer Science and Applied Mathematics with a specialization in Information Systems Engineering.

- Main projects in [Java](#), [C](#), [SQL](#) and [HTML/CSS/JavaScript](#)
- Small projects in [Python](#), [Rust](#), [VHDL](#)

## CPGE PCSI-PSI

### Lycée Paul Cézanne

📅 Sept 2017 – July 2019

📍 Aix-en-Provence, France

Intensive preparation for engineering school entrance exams.

## Baccalauréat S with honors

### Externat Saint Joseph

📅 Sept 2017

📍 Ollioules, France

Diploma earned in the SI section with the Latin option.

## TEACHINGS

### Human computer interaction

#### Université Grenoble Alpes - M1

📅 4 Dec 2025 - 22 Jan 2026

Supervision of projects in groups of two and presentations (13.5 heqTD).

### Common core HCI

#### Polytech Grenoble - M2

📅 12 Sept 2025 - 7 Nov 2025

Preparation and delivery of lectures, supervision of projects in groups of three, presentations, writing and grading of the one-hour exam (33 heqTD).

### R212 Integration

#### IUT 1 Grenoble - L1

📅 14 Feb 2025 - 11 March 2025

TP follow-up and exam on [HTML/CSS/JavaScript](#) basics (20 heqTD).

### R111 Integration

#### IUT 1 Grenoble - L1

📅 08 Oct 2024 - 03 Dec 2024

TP follow-up and exam on [HTML/CSS](#) basics (22 heqTD).

### Multimodal interaction and mobile devices

#### Polytech Grenoble - M2

📅 13 Sept 2023 - 15 Nov 2023

Preparation and delivery of lectures, project follow-up and presentations (41 heqTD).

## Ensimagaming

### Communication manager

📅 May 2020 – Dec 2020

Communication management in pairs. Setting up the association's Twitch channel. Organization and commentary of Rocket League tournaments.

## Puls'Art – Liste BDA Ensimag 2020

### Vice-treasurer

📅 Oct 2019 – April 2020

Budget estimates for the week of cultural events (Total ~8000€).

## SUPERVISION

### Jad Berjawi (M1)

📅 12 Feb 2024 – 23 Aug 2024

Internship topic: « Develop a Unity AR plugin for hand microgestures ».

### Raphaël Demoulin (L3)

📅 30 May 2023 – 28 July 2023

Internship topic: « Programming an API for the representation of hand microgestures ».

## RESEARCH EXPERIENCES

### Representative of doctoral students for the HCERES evaluation of the LIG

📅 26 Sept 2025 – 6 Nov 2025

📍 Saint Martin d'Hères, France

Individual and group interviews with as many doctoral students as possible, holding preparatory meetings and interviews with HCERES evaluators. Work conducted in partnership with Flora Helmers.

### LOKI Seminar

📅 3 June 2024 – 5 June 2024

📍 Lille, France and Hastière, Belgium

3 days of presentations and discussions on the research work of the LOKI team.

### PHD LIG Madness

📅 21 May 2024

📍 Saint Martin d'Hères, France

2-minute presentation of my thesis. Awarded with 2 other PhD students.

## User Experience (UX) course

### Université Grenoble Alpes - M2

📅 27 Sept 2023 – 06 Dec 2023

Project follow-up (16,5 heqTD).

## Multimodal interaction and mobile devices

### Polytech Grenoble - M2

📅 14 Sept 2022 – 16 Nov 2022

Project follow-up and presentations (29 heqTD).

## User Experience (UX) course

### Université Grenoble Alpes - M2

📅 28 Sept 2022 – 07 Dec 2022

Project follow-up (16,5 heqTD) and 1h exam (writing and correction).

# PUBLICATIONS

## 📄 Journal Articles

- [1] Vincent Lambert et al. "Studying the Simultaneous Visual Representation of Microgestures". In: *Proc. ACM Hum.-Comput. Interact.* 8.MHCI (Sept. 2024). DOI: 10.1145/3676523.
- [2] Vincent Lambert et al. "Studying the Visual Representation of Microgestures". In: *Proc. ACM Hum.-Comput. Interact.* 7.MHCI (Sept. 2023). DOI: 10.1145/3604272.

## 👥 Conference Proceedings

- [3] Adrien Chaffangeon Caillet et al. "Microgesture Interaction in Context: demonstrations of the ANR MIC project Interaction par microgeste en contexte : démonstrations du projet ANR MIC". in: *IHM'25 : Actes étendus de la 36ème conférence Francophone sur l'Interaction Humain-Machine*. Toulouse, France, Nov. 2025. URL: <https://hal.science/hal-05311866>.
- [4] Vincent Lambert. "Representing microgestures interaction for wearable computing". In: *Proceedings of the 25th International Conference on Mobile Human-Computer Interaction*. MobileHCI '23 Companion. Athens, Greece: Association for Computing Machinery, 2023. ISBN: 9781450399241. DOI: 10.1145/3565066.3609740.

# NOTEWORTHY PERSONAL PROJECT

## Rules, lore and tools creator

### Tabletop role-playing game

📅 Aug 2015 – Ongoing

Creation of a tabletop role-playing game with rules system, lore, beta-tests and quests (files compiled with [LuaLaTeX](#) and a [Mari-aDB](#) database). Creation of a language with grammar, vocabulary, writing system and thus font for the associated digital files. Realization of a graphical interface with [JavaFx](#) for game exploration, easy modification of its variables and for the assisted creation of characters.

## eNSEMBLE Autumn School

📅 05 Oct 2023 – 07 Oct 2023

📍 Saint Martin d'Hères, France

Three days of training in Human-Computer Interaction with peers from French universities (~20h).

## Mobile HCI 2023 Student Volunteer

📅 26 Sept 2023 – 29 Sept 2023

📍 Athens, Greece

Technical support on Discord (remote monitoring of the conference, presentation issues, issues accessing discussion channels), welcoming participants and coordinating with other student volunteers (~20h).

## IHM 2023 Student Volunteer

📅 04 Apr 2023 – 08 Apr 2023

📍 Troyes, France

Technical management of the program committee (~7h). Microphone management, logistics at UTT and gala logistics (~15h).

## AFIRM CHI Summer School

📅 22 Aug 2022 – 26 Aug 2022

📍 Padua, Italy

Courses on Human-Computer Interaction with peers (~25h).

# OTHER EXPERIENCES

## SAFE Training

📅 24 Feb 2022

📍 Online

Training and awareness-raising on gender-based violences (GBV). Videos, discussions and questionnaire including statistical, sociological, psychological and legal aspects (~5h in total). Awareness on how to support victims and perpetrators of GBV.