

Valentin Hanecart



About me

Versatile
Meticulous
Good public speaker
Sense of initiative

Personal

Valentin Hanecart
Nationality : French
23 years old
Driving licence

Contacts

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25000 Besançon
France
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Interests

Mathematics
Physics & Chemistry
History
Reading
Badminton, swimming,
handball

EDUCATION

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|-------------|--|
| 2024- | Second year of Master, in advanced mathematics, specialisation in algebra and number theory UFR ST, Besançon, France Third year of Magistère de Mathématiques (complementary university courses to the master) UFR ST, Besançon, France |
| 2024 | Agrégation externe de Mathématiques (competitive examination allowing to teach in French education system), accepted 142 nd over 315 |
| 2023-2024 | Second year of Master, in general mathematics , preparation to the "agrégation externe de mathématiques", grade "Bien" (~ pass 70-80%) UFR ST, Besançon, France |
| 2022-2023 | First year of Master, in general mathematics , grade "Assez bien" (~ pass 60-70%) UFR ST, Besançon, France Second year of Magistère de Mathématiques (complementary university courses to the master) UFR ST, Besançon, France |
| 2021-2022 | Third year of Bachelor, in fundamental mathematics , grade "Bien" (~ pass 70-80%) UFR ST, Besançon First year of Magistère de Mathématiques (complementary university courses to the bachelor) UFR ST, Besançon, France |
| 2019 - 2021 | Preparatory class (MPSI and MP*) (French Classes Préparatoires are two year courses, equivalent to the first two years of a bachelor's degree, designed to prepare students for competitive entrance examination to the Grandes Écoles (~ engineering schools)) High school Henri Wallon, Valenciennes, France |
| 2019 | Baccalauréat Scientifique, spécialité Mathématiques (~ high school diploma), grade "Très bien" (~ pass 80-100%) High school Camille Claudel, Fourmies, France |

PROFESSIONAL EXPERIENCES

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|--------------------------|---|
| 2024- | Colleur de Mathématiques en MP/MPI et MP2I (~ oral interrogation of first and second year preparatory class students in algebra, analysis and probability) High school Carnot, Dijon, France Colleur de Mathématiques en PSI/PSI* (~ oral interrogation of first year preparatory class students in algebra, analysis and probability) High school Victor Hugo, Besançon, France |
| 2022 (3 months) | Trainee high school teacher (~ classroom teaching observation, assisting a class teacher, taking charge of a class and teaching for a week) Middle school Georges Pompidou, Poulley-les-Vignes, France |
| 2021- | Private lessons (students in Secondary school and high school) Besançon, France |
| 2020-2022 (1 month/year) | Versatile municipal employee (maintenance of public spaces and cleanliness) Town hall of Trélon, Trélon, France |
| 2018 (1 month) | Holiday camp activity leader (handling of children and creation of activities) Activity center of Trélon, Trélon, France |
| 2017-2023 (1 month/year) | Worker (fixed-term contract) (maintenance of machines) Glass factory Gerresheimer, Momignies, Belgique |

PRESENTATIONS & PROJECTS

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| 2024 | Third year project of Magistère , <i>Étude d'extensions galoisiennes non ramifiées</i> (~ <i>Study of non ramified Galois extensions</i>), under the direction of CHRISTIAN MAIRE FEMTO ST, Besançon, France Second year project of Master , <i>Introduction aux formes modulaires</i> (~ <i>Introduction to modular forms</i>), under the direction of CÉCILE ARMANA UFR ST, Besançon, France |
| 2023 | First year project of Master , <i>About solvable groups and some applications</i> , under the direction of AGNÈS DAVID UFR ST, Besançon, France Day of Magistère , presentation of the first year project of Master UFR ST, Besançon, France |
| 2023 | Third year project of Bachelor , <i>Theorema Egregium de Gauss</i> (~ <i>Gauss's Theorema Egregium</i>), under the direction of LYSIANNE HARI UFR ST, Besançon, France Day of Magistère , presentation of the third year project of Bachelor UFR ST, Besançon, France |

SEMINARS & ADDITIONAL COURSES ATTENDED

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| 2024 | Functional analysis course (duality in Banach spaces, linear structure of Banach spaces and spaces $\mathcal{C}^0(K)$) UFR ST, Besançon, France Lie groups and algebras course UFR ST, Besançon, France Lectures Sophie Kowalevski (Introduction to modular group, Introduction to hydrodynamic limits) Centre Henri Lebesgue, Angers, France School of introduction to the research of the Laboratoire de Mathématiques de Besançon (Harmonic functions, Differential geometry, Non commutative integration, Introduction to modular forms, Riemann surface, Fixed-point theorems and amenable abelian groups, Ramsey theory) Pierrefontaine-les-Varans, France |
| 2023 | Masterclass (On convex functions and sets) UFR ST, Besançon, France Lectures Sophie Kowalevski (Some aspects (probabilistic, algebraic and algorithmic) of random permutations, To the discovery of the representations modulo p of p -adic groups) Centre Henri Lebesgue, Angers, France Differential geometry course (introduction) UFR ST, Besançon, France Inferential statistics course UFR ST, Besançon, France |
| 2022 | Discretization of EDPs course UFR ST, Besançon, France |
| 2021 | Mathematical epistemology course UFR ST, Besançon, France |

DEGREES & CERTIFICATES

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| 2024 | Agrégation externe de mathématiques |
| 2024 | Master General Mathematics |
| 2022 | Licence Fundamental Mathematics |
| 2022 | Certificate of competence in English (level B2) |
| 2019 | Baccalauréat Scientifique |
| 2017 | Certificate of competence in Spanish (level B1) |









COMPUTER SKILLS

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|-----------------------|-------------------|
| LaTeX | Very good command |
| Python | Very good command |
| Word | Good command |
| Excel | Good command |
| PowerPoint | Good command |
| HTML & CSS | Some basics |
| PARI/GP | Some basics |
| Scilab | Some basics |
| OCaml | Some basics |

LANGUAGE SKILLS

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|----------------|----|-----------------|
| French | C2 | Native language |
| English | C1 | ● ● ● ● ● ● |
| Spanish | B1 | ● ● ● ● ● ● |
| German | A1 | ● ● ● ● ● ● |

REFERENCES

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|------------------------|--|
| Armana Cécile | Lecturer UFR ST, Besançon - Team Algebra and Number Theory  cecile.armana@univ-fcomte.fr  03.81.66.63.35 |
| David Agnès | Lecturer UFR ST, Besançon - Team Algebra and Number Theory  David.Agnes@math.cnrs.fr  03.81.66.63.35 |
| Lancien Gilles | Professor UFR ST, Besançon - Team Functional Analysis  gilles.lancien@univ-fcomte.fr  03.81.66.63.76 |
| Fouquet Olivier | Professor UFR ST, Besançon - Team Algebra and Number Theory  olivier.fouquet@univ-fcomte.fr  03.81.66.63.21 |