

Object-Oriented Programming in Java

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- Associate Professor in computer science¹
- **Teachings @TSÉ**
 - C/C++, Java, Algo, HPP, Spring, Secu, DevOps, Data

- **Research @LHC**

- Research in « Data Intelligence team »
- BCI/EEGs, Privacy
- (IA, Multi-Agent, BlockChain, QuantumML)



- Thanks Christophe Gravier for the material!



¹Want to be a researcher?

- One Plenary lesson, to introduce:
 - Labs organization
 - Java basics
 - Evaluations
 - Outline
- Many Labs with Theoretical introduction
 - Introduce a concept \Rightarrow practice it
- Before each session, a MCQ!!

Evaluations

- At the **beginning** of each Lab
 - You pass a MCQ @MOOTSE
- At the **end** of each Lab
 - You submit your work @MOOTSE
- Final grade
 - MCQs = 40%
 - Labs = 60%

Outline

- 1 Maven+Unit Testing
- 2 Files+Exceptions
- 3 POJOs+Strings+Wrappers
- 4 Collections
- 5 Java8 : lambdas
- 6 (Data Structures) Graphs
- 7 JDBC
- 8 Swing
- 9 (Algorithms) ConvexHull
- 10 Multi-Threading
- 11 Introspection