

# CASSARD SÉBASTIEN



## Personal Information

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## Skills



### Development Tools

- Unity3D • C# • C
- OpenGL • Java • Python
- C++ • Git



### Know-how

- 3D Graphics
- Real-time rendering
- Gameplay Design
- Intelligent systems : Recognition and reasoning
- Object oriented programming
- Concurrent programming
- Parallel Computer Organization and design
- Optimization algorithms:
  - approximation algorithms
  - randomized algorithm
  - metaheuristic



### Languages

- French : Native language
- English : Fluent (TOEFL : 88/120)
- Spanish : Advanced
- Japanese : Beginner.

## Grenoble INP - Ensimag Engineer

Computer science and applied mathematics



## Education

### Chalmers University of Technology

erasmus academic semester

2018-2019 : *Chalmers University - Göteborg Sweden*

### National Superior School of Computer Science and Applied Mathematics of Grenoble

Engineering school

2016-2019 : *Grenoble INP - Ensimag*



## Experiences

### Unity 3D Software Engineer

WeWantToKnow AS | Mars 2019 - September 2019

📍 Paris

- Development of an OAuth2 authentication module for Unity engine.
- Writing a dependency resolution algorithm for the *Uplift*. package manager

### C Developer

Kernel Software | June 2017 - August 2017

📍 Paris

- Development of an optimal flight schedule generator to meet the constraints and objectives of the airline companies.

### Matlab Developer

LaBRI | May 2016 - June 2016

📍 Bordeaux, Bordeaux computer research laboratory (LaBRI)

- Programming and testing of different machine learning algorithms with Matlab.



## Hobbies

### Game development

- Participation in game jams
- Personal projects on itch.io.

### Member of the Grenoble INP Magic Club

- Since 2016.
- Close up performances for events.

### Archery at expert level

- Since 2008.