

# SOFIANE DJERBI

## Computer Science | Mathematics

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🌐 [github.com/Kugge](https://github.com/Kugge)    📍 18 Rue du Bournet, Seyssins  
📅 Born on January 1st 2001 in Grenoble.

## </> KEY SKILLS

<b>Programming</b>	Python, Java, C, C++, Rust, Nim, Haskell, OCaml, Bash
<b>Libraries</b>	Pyplot, Gloss, SDL2, NCurses, Scipy, Rayon
<b>Tools</b>	Git, Github, Maven, Gradle, Make, Linux, Doxygen, $\text{\LaTeX}$
<b>Misc</b>	SAT Solvers, Dynamic Programming, Markdown

## 👛 EXPERIENCE

September 2021 Present	<b>Math Tutor, DLST, Université Grenoble Alpes</b> <ul style="list-style-type: none"><li>&gt; Weekly monitoring of first-year students.</li><li>&gt; Ensure understanding of abstract mathematical concepts.</li><li>&gt; Supervise a group of students and introduce them to a mathematical topic.</li></ul> <div>Set Theory   Applied Mathematics   Real Analysis</div>
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## 🌐 LANGUAGES

French	● ● ● ● ●
English	● ● ● ● ○

## + STRENGTHS

- > Determination
- > Project management
- > Problem Solving

## 🎓 EDUCATION

2021 - Present	Magistère d'Informatique
2019 - Present	Licence Mathématiques et Informatique
2015 - 2019	Baccalauréat Scientifique

## 🏆 AWARDS

November 2021	<b>CS Contest Winner, IM<sup>2</sup>AG, Université Grenoble Alpes</b> <ul style="list-style-type: none"><li>&gt; Solving problems as a team.</li><li>&gt; Dealing with NP-Hard problems.</li></ul> <div>Problem Solving   Teamwork</div>
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## 💻 PROJECTS

<b>ANIMATED JULIA</b> 🌐 <a href="https://github.com/Kugge/Animated-Julia">github.com/Kugge/Animated-Julia</a> Shows the continuity between Julia's fractals with high quality animations. <div>Rust   Rayon</div>	2021
<b>HASKELL CONNECT4</b> 🌐 <a href="https://github.com/Kugge/Haskell-Connect4">github.com/Kugge/Haskell-Connect4</a> Implementation of the Connect 4 game in Haskell, with minimax AI. <div>Haskell   Minimax   Gloss</div>	2021
<b>NONOGRAM SOLVER</b> 🌐 <a href="https://github.com/Kugge/Nonogram-Solver">github.com/Kugge/Nonogram-Solver</a> Scrapping and solving Nonograms with SAT Solvers. <div>Scrapping   Logic   Python   Sat Solvers   <math>\text{\LaTeX}</math></div>	2020
<b>ETHYND</b> 🌐 <a href="https://github.com/ProjetIsn2019/Ethynd">github.com/ProjetIsn2019/Ethynd</a> High-school project : A small game written in Python. <div>Python   Pygame   Teamwork</div>	2019