



# Rafael Mohr

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## Education

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<b>Altes Gymnasium Flensburg</b> <i>Abitur, GPA of 1.5</i>	2005-2014 <i>Flensburg, Germany</i>
<b>Universität Leipzig</b> <i>Diploma in Mathematics (Dipl.-Math.), GPA of 1.1</i> <ul style="list-style-type: none"><li>• Thesis co-supervised by Emre Sertöz and Bernd Sturmfels</li><li>• Thesis Topic: Computing periods of projective hypersurfaces</li></ul>	2014-2020 <i>Leipzig, Germany</i>

## Research Experience

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<b>PhD student</b> <i>Sorbonne Université and TU Kaiserslautern</i> <ul style="list-style-type: none"><li>• co-supervised by Christian Eder, Pierre Lairez and Mohab Safey El Din</li><li>• Topic: Advanced Gröbner basis algorithms for ideal-theoretic operations in commutative algebra</li></ul>	November, 2020 - present <i>Paris, France and Kaiserslautern, Germany</i>
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## Other Experience

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<b>Member of the student council</b> <i>Altes Gymnasium Flensburg</i>	2013
<b>Tutor for linear algebra, calculus and complex analysis</b> <i>Universität Leipzig</i>	2016-2020
<b>Tutor for linear algebra, calculus and cryptography</b> <i>Universität Kaiserslautern</i>	2021-2022
<b>Research assistant co-developing the computer algebra system Oscar</b> <i>Universität Kaiserslautern</i>	2022-Present

## Specialized Skills

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**Programming Languages:** Emacs Lisp (beginner), Python and C (intermediate), Julia (advanced)  
**Technical skills:** Linux, Emacs  
**Languages:** German (native), English (fluent), French (beginner)