

# Florian Chudigiewitsch

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## Education

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### Leibniz Universität Hannover

Master of Science, 1.0 (4.0 GPA)

Computer Science

Master thesis: *Computational Complexity of Deciding Provability in Linear Logic and Its Fragments*, 1.0 (4.0 GPA)

Hannover

2018–2021

### TU Wien

ERASMUS+ Exchange Semester,

Logic and Computation

Vienna

winter term 2020

### Leibniz Universität Hannover

Bachelor of Science, 2.0 (3.0 GPA)

Major in Computer Science, Minor in Mathematics

Bachelor thesis: *Separationslogik*, 1.0 (4.0 GPA)

Hannover

2015–2018

### Städtisches Gymnasium Beverungen

General University Entrance Qualification, 1.7 (3.3 GPA)

Beverungen

2007–2015

## Experience

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### Scientific Assistant

Leibniz Universität Hannover

Job description:

2017–2021

- Tutor: Complexity of Algorithms (3x), Introduction to Theoretical Computer Science (2x), Physics for Industrial Engineers (2x), Programming II (2x), Logic and Formal Systems, Programming I.
- Creation of lecture notes for the graduate courses Complexity Theory, Cryptography and Efficient Algorithms.
- C++ Developer for the RESRI-Workgroup: Extension of the particle simulation framework Geant4 to find effective shieldings for microelectronic components.
- Developer and Software Engineer for the project "DSSARTH": Development of a discrete simulation to forecast the development of vermin population in greenhouses to minimize the use of pesticides.

### Internships

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#### Management Services Helwig Schmitt GmbH

C# and SQL Developer

Hofgeismar

2014

#### Brielmedia

Web Developer

Hofgeismar

2013

## Languages

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**German:** native speaker

**English:** GeR: B2/C1, TOEFL iBT 2018: 111/120

**Russian:** GeR: A2/B1

**Chinese:** GeR: A1.1

**Latin:** Latinum

## Skills

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**Programming Languages:** C++, Java, Python, MATLAB, Julia, Haskell

**Development Tools:** JetBrains IDEs, Git Flow

**Miscellaneous:** L<sup>A</sup>T<sub>E</sub>X, Linux, White Hat Hacking

## Honors and Awards

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- Scholarship “ERASMUS+ Grant”:** Financial support for an exchange semester at TU Wien. 2020
- Admission to the Dean’s List:** The Dean’s List is the list of the highest performing students of every course of studies. 2020
- Scholarship “Deutschlandstipendium”:** The scholarship is awarded to the best students of each faculty of Leibniz Universität Hannover. 2019
- Free One-Year Membership at the Gesellschaft für Informatik (German Informatics Society):** For outstanding performance in the course “Complexity of Algorithms”. 2018
- Hack{it}over powered by talanx:** Second prize for personalized ads and customer care through automated psychological evaluation of social media posts. 2018
- Scholarship of the HDI-Foundation:** For demonstrated excellent performance in education and on recommendation of Prof. Dr. Schneider of the Institute for Software Engineering. 2018
- Hackvention AR/VR Hackathon:** Special prize for best team without prior knowledge in AR/VR development. 2017
- Jugend Forscht:**
- Statewide competition 2014: third price.
  - Statewide competition 2015: second price. 2014, 2015
- Further Awards for Jugend Forscht:**
- Honored by the district administration of Höxter 2014 and 2015.
  - President of the district government Detmold 2014 and 2015.
  - Presentation of the paper on request of the JugendForscht Stiftung e.V. Hamburg at the Didacta 2015 in Hannover.
- Nationwide Russian-Olympics of the DRLV:** Creative competition first price. 2012, 2013
- Förderpreis der Wirtschaft:** For outstanding performance in the courses of biology, chemistry, mathematics and physics. 2012

## Certificates and Specializations

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- IBM Quantum Challenge**  
*Spring 2020, Fall 2020, Spring 2021* 2020, 2021
- Functional Programming in Scala**  
*École Polytechnique Fédérale de Lausanne via Coursera* Nov. 2019
- IBM Data Science**  
*IBM via Coursera* Oct. 2019
- Mathematics for Machine Learning**  
*Imperial College London via Coursera* Oct. 2019
- Understanding Quantum Computers**  
*Keio University via Futurelearn* Oct. 2019

## Miscellaneous

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### Activities

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- Singing lessons at CKVL Hannover 2018–2020
- Guitar lessons at the music school Hofgeismar 2006–2014
- Taekwondo-Training at the TSG Hofgeismar (7th Kup) 2008–2013

### Memberships

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- Deutsche Mathematiker-Vereinigung (German Mathematical Society) since 2019
- Gesellschaft für Informatik (German Informatics Society) since 2018
- Deutsches Jungforscher Netzwerk JuFORUM e.V.  
(German Network of Young Scientists – juFORUM) since 2018