







# Johannes Gebert, M.Sc.




Curriculum Vitae as of November 2022

**PhD student**, University of Stuttgart  
High-Performance Computing Center Stuttgart (HLRS)





Research for a constitutive model of human cancellous bone based on clinical computed tomography and the use of high-performance computers.

 gebert@hirs.de  
 johannesgebert.de  
 JoGebert  
 biomechanics-hirs-gebert  
 +49 711 685 61740  
 Nobelstraße 19  
70569 Stuttgart





## Education

- 10/2020 - xx/2024  **PhD Student, High-Performance Computing Center (HLRS)**  
University of Stuttgart
- 10/2015 - 12/2017  **M.Sc. Automotive and Engine Engineering**  
University of Stuttgart, Grade: 1,7
- 09/2011 - 08/2015  **B.Eng. Automotive Engineering**  
University of Applied Sciences Esslingen, Grade: 2,0




## Work Experience

- 10/2018 - xx/20xx  **Research Assistant | High-Performance Computing Center (HLRS)**  
Numerical Methods and Libraries, Biomechanics, Stuttgart
- 04/2022 - 08/2022  **Research Internship | Innovative Computing Laboratory (ICL)**  
Machine Learning, Performance, Power Capping, Knoxville
- 04/2019 - 01/2020  **Project Manager | Gebert-Medientechnik GmbH**  
Audio-/Video technologies, parental company, Denkendorf
- 09/2017 - 10/2018  **Structural Engineer | in2p GmbH**  
Convertible car-top and body in white systems, Fellbach

## Student Work Experience

- 09/2015 - 12/2017  **Student Employee | in2p GmbH**  
Development of convertible car-top systems, Fellbach
- 08/2013 - 02/2014  **Internship | ADESS AG**  
Design of a Le Mans Prototype 2 monocoque, Munich
- 09/2012 - 07/2013  **Formula Student | Rennstall Esslingen**  
Development of a Formula Student monocoque, Esslingen
- 02/2012 - 12/2012  **Student Employee | EACC GmbH**  
Quality assurance of carbon composite components, Esslingen

## Skills

- Languages  German (native), English (C1/C2)
- Software  Fortran, C, C++, MPI, Python, MatLab, Git, DS Abaqus, ...
- Miscellaneous  Teaching, MS Office, L<sup>A</sup>T<sub>E</sub>X, ...