



# JULIA HELMECKE

MASTER OF SCIENCE BIOLOGY



## WORK EXPERIENCE

06/2016 - now

### PHD STUDENT IN BIOINFORMATICS

at TU Braunschweig

▼ Braunschweig

- Metabolic modeling and *in silico* engineering of a thermoacidophilic archaeon
- Tool development for the analysis of biochemical networks
- Development of an interactive web service for the construction and analysis of metabolic models (including relational database development)
- Analysis and interpretation of textmining results for coherence of habitats and enzyme occurrence

09/2014 - 06/2015

### RESEARCH ASSISTANT

at Helmholtz Centre for Infection Research

Braunschweig



## EDUCATION

10/2014 - 05/2016

### MASTER OF SCIENCE IN BIOLOGY

at TU Braunschweig

▼ Braunschweig

Thesis: 1,3

Final grade: 1,4

10/2009 - 10/2014

### BACHELOR OF SCIENCE IN BIOLOGY

at University Bayreuth/ TU Braunschweig

▼ Bayreuth/  
Braunschweig

Thesis: 1,3

Final grade: 2,4

until 06/2009

### ABITUR (HIGH SCHOOL DIPLOMA)

at Gymnasium Julianum

▼ Helmstedt

Final grade: 1,9

## CONTACT



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## ABOUT ME

I love trying out new things, especially software tools and gadgets. I am always searching for new challenges and even if I started programming very late - during my master studies - I have discovered a new passion.

I spend my spare free time with my small family. My daughter is 5 years old and likes to stay for hours at the playground. Besides of my family, I love photography and graphic design. It makes me happy to create beautiful stuff for my family and friends.



## SKILLS

Microsoft Word	● ● ● ● ●
Microsoft Excel	● ● ● ● ●
MySQL	● ● ● ● ●
Python	● ● ● ● ●
Flask Web Development	● ● ● ● ●
HTML & CSS	● ● ● ● ●
JavaScript & jQuery	● ● ● ● ●
PHP	● ● ● ● ●
R	● ● ● ● ●
LaTeX	● ● ● ● ●
Adobe Illustrator	● ● ● ● ●
Adobe InDesign	● ● ● ● ●
Adobe Photoshop	● ● ● ● ●
Linux	● ● ● ● ●
Windows	● ● ● ● ●
First Aider	● ● ● ● ●



## LANGUAGES

German	● ● ● ● ●
English	● ● ● ● ●

## HOBBIES

