

# Curriculum Vitae

## Personal Details

Name: Rathke, Fabian  
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Date and place of birth: 02.10.1982 in Berlin, Germany  
Nationality: German



## Education

02/2015 – today Postdoctoral student in the Heidelberg Collaboratory for Image Processing (HCI) with Prof. Dr. Christoph Schnörr

06/2010 – 01/2015 PhD student in the Research Training Group 1653 under the supervision of Christoph Schnörr and Fred Hamprecht; PhD Thesis: *“Probabilistic graphical models for medical image segmentation”* (Grade: 1.5, *magna cum laude*)

10/2006 – 01/2010 M.Sc. in Bioinformatics, Freie Universität Berlin, Germany  
Master thesis in the machine learning group of Klaus-Robert Müller (Technische Universität Berlin): *“Semi-Supervised Ranking for Ligand-Based Virtual Screening”* (Grade: 1.0)

10/2003 – 09/2006 B.Sc. in Bioinformatics, Freie Universität Berlin, Germany (Overall Grade: good (1.9))  
Bachelor thesis in the neural information processing group of Klaus Obermayer (Technische Universität Berlin): *“The Influence of Spike Frequency Adaptation on the Operating Regime of Neurons in the Visual Cortex”* (Grade: 1.5)

2002 Final examination (“Abitur“) at German Secondary School, (Average Grade: 1.8)

1995 – 2002 Secondary School, Berlin, Germany  
1989 – 1995 Basic School, Berlin, Germany

## Work Experience

- 12/2007 – 09/2009 Student assistant in the machine learning group of Klaus-Robert Müller at Technische Universität Berlin. Building regression and consensus models for predicting chemical and biological properties. In the scope of this work co-author of the paper: “*Bias-Correction of Regression Models: A Case Study on hERG Inhibition*“ *J. Chem. Inf. Model.*, 2009, 49 (6), pp 1486–1496.
- 08/2006 – 04/2008 Employee for Gemino (Software Localization). Programming a web-based tool in PHP, MySQL and Ajax to administer glossaries.
- 04/2003 – 09/2003 Programming a web-based tool for the neurosurgery department of the Benjamin Franklin hospital to manage patient admission using PHP, Javascript and MySQL.
- 07/2002 – 04/2003 Civilian Service at the Neurosurgery Department, Benjamin Franklin Hospital in Berlin; administrating the department's computer network; programming tools in PHP, Javascript and MySQL.

## Language Skills

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|---------|----------------------------|
| German  | mother tongue              |
| English | fluent, written and spoken |

## Computer Skills

Advanced skills in Matlab, Java, PHP, MySQL and Javascript (including Ajax)  
Good skills in C, R, Python and Unix

## Leisure activities

Classical Guitar, Chess, Football, Table Tennis

Fabian Rathke

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