

# Jörgen Brandt

## Curriculum vitae

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### Academic and Professional Career

- 2013–today **PhD candidate**, *Humboldt-Universität*, Berlin.  
Programming languages and distributed systems, contribution to the BiobankCloud research project, association with the SOAMED graduate school. Cuneiform: a functional language for large-scale data analysis.
- 2011–2013 **Research associate**, *Bundesinstitut für Risikobewertung*, Berlin.
- 2008–2011 **Master of Science**, *Technische Universität*, Berlin, good (1.9).  
Signal processing, machine learning, databases, and bioinformatics.
- 2005–2008 **Bachelor of Engineering**, *Hochschule für Technik und Wirtschaft*, Berlin, good.  
Signal processing, microcontrollers, and closed-loop systems.
- 2002–2005 **Planographic printer**, *Bundesdruckerei GmbH*, Berlin, good (86 points).

### Open Source Contributions

- 2014–2019 **Cuneiform**, functional language for large-scale data analysis.
- 2016–2018 **gen\_pnet**, library for modeling Petri nets in Erlang.
- 2017 **Gruff**, basic worker pool manager for Erlang.
- 2015–2018 **Effi**, Erlang foreign function interface.
- 2015–2018 **Cre**, common runtime environment for distributed programming languages.

### Internships

- 2010–2011 **Student tutor**, *Hochschule für Technik und Wirtschaft*.  
Teaching and supporting students in math for industrial engineers.
- 2010–2011 **Student employee**, *Humboldt-Innovation GmbH*.  
Teaching and supporting students in math for industrial engineers.
- 2008 **Intern**, *manroland*, Augsburg.  
Software development. Interbus driver for an embedded realtime Linux/Xenomai operating system

2006–2008 **Intern**, *Berger Schallehn Ingenieure*, Berlin.  
Electrical planning. Computer-aided design in AutoCAD

## █ Honorary posts

2013 **Member**, *ISCB student council*.  
Organization of a student council symposium.

2008–2009 **Head**, *Studentische Selbstverwaltung Aristotelessteig*, Berlin.  
Coordination of the managing committee, project management, resident support.

## █ General Experience

2000–2001 **Community service**, *Elsbeth Seidel Haus*, Berlin.

1987–2000 **University entrance diploma**, *Ranke Gymnasium*, Berlin, satisfactory (3.0).

## █ Languages

German native-speaker  
English fluent  
French moderate

## █ Self Assessment

Erlang	very good	Chef	good
Java	very good	Make	good
Racket	good	Git	good
Bash	good		
C/C++	moderate		

## █ Interests

- Programming language design
- Writing