

# Thomas Werkmeister

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## Education

- 04/14 - present    **Hasso Plattner Institute**, Potsdam - M.S. in Computer Science (exp. 2016)
- Selected courses: Information Retrieval, Natural Language Processing, Pattern Recognition, Data Integration, Data Cleansing
- 10/10 - 07/13    **Hasso Plattner Institute**, Potsdam - B.S. in Computer Science
- Final grade: 1.4
  - Thesis: Extensible backend architecture for data aggregation
  - Selected courses: Software Architecture, Machine Learning

## Professional Experience

- 10/11 - present    **scalable minds**, Co-Founder, Backend-Developer, DevOps
- Grew the company to six employees
  - Negotiated with clients, Organized monthly team events
  - **Brainflight** (<http://webknossos.org>)
    - Designed and implemented web services for streaming and annotating microscopic imagery of brain tissue
    - Designed and implemented continuous deployment for web services
    - Managed 20+ servers using configuration management systems
  - **Treev** (<http://treev.it>)
    - Reviewed and remodeled existing code base
    - Designed RESTful API and backend architecture
- 03/11 - 08/11    **GAI Netconsult GmbH, Berlin**, Student Assistant Cyber Security
- Analyzed cross platform transferability of exploits in office software
  - Composed weekly security digest on discovery of new exploits

## Selected Course Projects

- 04/14 - 08/14    **Finding Relevant Tweets for News** (Master's project in a team of four)
- Worked in a team to build a system to find relevant tweets for news articles
  - Modeled similarity of news and tweets using language and topic models
  - Conducted a user study to assess relevance and visualized insights
- 04/14 - 09/14    **Search Engine Implementation**
- Worked as a team of two to build a search engine for Wikipedia from scratch
  - Created a parallelized pipeline for building a compressed index using actors
  - Implemented boolean and probabilistic retrieval models

## Activities

- 02/11 - 07/12    **Head of HPI high-school student activities club**
- Led the club of 40 students as a team of three
  - Ideated and organized several programming camps of 3-5 days for 30+ high-school students each

## Skills

Programming Languages	Scala, Python, Bash, R, Octave, Java, C++ German (native), English (fluent), Mandarin (beginner)
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