

Sebastian Gehrman

Curriculum Vitae

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Education

- 2015–present **Ph.D. Candidate, Computer Science**, *Harvard Paul A. Johnson School of Engineering and Applied Sciences*, Cambridge, MA
Research in Collaboration and information sharing, using methods from natural-language processing, human-computer interaction and artificial intelligence to support teamwork
- 2011–2015 **B.Sc. Computer Science and Business Administration**, *Nordakademie University of Applied Sciences*, Elmshorn, Germany, *GPA 1.7**, *ECTS grade A*
- 2013 **Visiting Undergraduate Student**, *Harvard University*, Cambridge, MA, *GPA 3.5/4.0*, *CS GPA 3.7/4.0*

Work Experience

- Summer 2016 **Collaborator**, *Fondazione Bruno Kessler*, Trento, Italy
Working on developing an automatic facilitator to support teenagers who come from two parts of conflict develop shared narratives. Part of the i3 research group supervised by Massimo Zancanaro and Oliviero Stock.
- 2015–present **Co-Founder**, *Digital Natives*, Frankfurt, Germany
Technical lead of media agency developing web sites, improving SEO and handling social media for small and medium sized businesses. Portfolio of projects can be found at webseitenprofi24.de.
- 2014–2015 **Web developer**, Hamburg, Germany
Team lead for development of web sites for start-ups, communicating with clients, develop back-end, and management of team.
- 2011–2015 **Dual Student**, *Eppendorf AG*, Hamburg
Full time position in cooperation with Nordakademie University of Applied Sciences
- Project management for the development of CRM system
 - Leading training sessions for Service Technicians in four countries
 - Design of an algorithm for prioritizing and ranking service tickets

Publications

- 2016 **Visual Analysis of Hidden State Dynamics in Recurrent Neural Networks**, *Strobel H, Gehrmann S, Huber B, Pfister H, Rush A*
ArXiv
- 2015 **Deploying AI Methods to Support Collaborative Writing: a Preliminary Investigation**, *Gehrmann S, Urke L, Amir O, Grosz B*
CHI 2015, Extended Abstracts on Human Factors in Computing Systems

Teaching

- Fall 2016 **CS108: Intelligent Systems: Design and Ethical Challenges**, *Head Teaching Fellow*
CS108 provides a broad introduction to AI, situated in the context of AI's current and potential future uses and the design and ethical challenges they raise

Talks & Seminars

- 2016 **Data Analysis with Python**, *Nordakademie University of Applied Science*, Elmshorn, Germany, Two-day seminar for undergraduate students
- 2015 **Data Analysis with Python**, *Nordakademie University of Applied Science*, Elmshorn, Germany, Two-day seminar for undergraduate students
- 2015 **Deploying AI Methods to Support Collaborative Writing: a Preliminary Investigation**, *Fondazione Bruno Kessler*, Trento, Italy, invited talk
- 2014 **Sind Computer schlauer als wir?**, *Nordakademie University of Applied Science*, Elmshorn, Germany, Talk about introductory topics of AI and big data
- 2013 & 2014 **Introduction to Finance**, *Nordakademie University of Applied Science*, Elmshorn, Germany, Student-organized lecture series about basics of investing

Various other projects

- 2014–2015 **Artificial Intelligence Club**, *Nordakademie University of Applied Sciences*
Organizing and giving lectures about AI, big data and machine learning
- 2012–2015 **Naktienclub**, *Nordakademie University of Applied Sciences*
President, educating students about personal finance and investing, managing director of the club's own investment
- 2003–2011 **Mathematics for gifted children**, *William-Stern-Gesellschaft*
Solving math and logic puzzles, supervision by Prof. Kießwetter and Prof. Reinhard of University of Hamburg, collaboration with Center for Talented Youth of Johns Hopkins University to understand the learning process in gifted children
- 2005–2009 **Project Springerklasse**, *Gymnasium Grootmoor*
Project to complete coursework for middle school in four instead of five years
- 2011–2015 **Tutoring program**, *Nordakademie*
helping struggling students in Accounting, Computer Science and Mathematics
- 2005–2012 **Tutoring**, assisting children in Mathematics, Sciences and German

Awards and Scholarships

- 2011–present e-fellows.net Scholarship
- 2013, 2014 Award for outstanding service to the community of Nordakademie
- 2006–2010 First place in state championship in chess (first board in team of eight)
- 2008 Runner up in Mathematics Olympiad on state level
- 2006, 2007, 2009 Third place in Mathematics Olympiad on state level