

# Curriculum vitae

Dr Marten Düring

POSITION Researcher in the DEIS unit

## WORK EXPERIENCE

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1 Jul 2016–Present

Researcher in the DEIS unit

University of Luxembourg, Esch-sur-Alzette (Luxembourg)

Following the integration of CVCE into the University of Luxembourg I am currently a member of the temporary DEIS unit.

1 Jul 2014–30 Jun 2016

Digital Humanities Researcher

at Centre virtuel de la connaissance sur l'Europe, Sanem (Luxembourg)

I work as researcher in the Digital Humanities Lab with a focus on the development of Social Network Analysis applications in the centre. I am program manager for histograph, a tool for the crowd-based indexation and graph-based exploration of multimedia sources and for EIBIO, a graph-based biographical reference tool (forthcoming).

1 Jan 2014–30 Jun 2014

Digital History Post Doc

University of North Carolina at Chapel Hill, Chapel Hill (United States)

I developed and taught a graduate course titled "Introduction to Digital History", worked on visualizations of UNC's Slave Narratives collection and primary sources surrounding Operation Market Garden in 1944 and was involved in a number of outreach activities for the Digital Innovation Lab.

1 Aug 2013–31 Dec 2013

Digital Humanities Researcher

Centre virtuel de la connaissance, Sanem (Luxembourg)

For the CUBRIK project I consulted on network analysis methods for the History of Europe demo application and developed a network analysis approach to the identification of unidentified individuals in a large collection of photographs.

1 Sep 2012–30 Apr 2013

ehumanities Postdoctoral Researcher

Radboud University, Nijmegen (Netherlands)

I have been working on text analytics of historical newspapers together with my colleagues Antal van den Bosch, Iris Hendrickx and Kalliopi Zervanou. As a historian I was particularly interested in exploring the potential of machine-reading combined with the study of events which unexpectedly did not occur.

1 Mar 2012–31 Aug 2012

Researcher

Center for Advanced Study in the Humanities, Essen (Germany)

In a project funded by the German government on the social structures of civil petitions for

referendums. I was responsible for online data mining and Social Network Analysis. In this project I used online and interview techniques as well as document analysis to extract relational data of circa 150 actors.

- 1 Oct 2006–31 Mar 2007 **Project leader**  
 QUAX Kinder- und Jugendzentrum Messestadt-Riem, Munich (Germany)  
 Raised 15.000 EUR for a self-designed project for youths in Munich-Riem, a newly founded suburb at the outskirts of the city. During this 6-month project I managed a team of 5 pedagogues, including specialists for architecture workshops, film-, theatre- and interview training. The project was funded by the Federal German Board of Education (Bundeszentrale für politische Bildung) and awarded a prize in the board's idea competition.
- 1 Jan 2005–31 May 2005 **Internship**  
 ESB Marketing Consult AG (Switzerland), St. Gallen (Switzerland)  
 During my 6-month internship I did research for the company, supported client services and communications. In addition I attended three 1-day seminars on sponsoring management and a 3-day seminar on sales techniques.

#### EDUCATION AND TRAINING

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- 1 Apr 2008–1 Feb 2012 **PhD in Contemporary History** 5 (UL)  
 University of Mainz, Mainz (Germany)  
 I defended my thesis in July 2012 at the University of Mainz and was awarded the grade "summa cum laude" (Distinction).  
 Research at the Center for Advanced Study in the Humanities (Kulturwissenschaftliches Institut Essen) in the project "Prosocial Behaviour in Interdisciplinary Perspective", funded by Volkswagen Foundation, led by Harald Welzer, Elissa Mailänder and Christian Gudehus.  
 Thesis on the significance of social relations for the survival of persecuted Jews during National Socialism and the motivation of their helpers. My thesis applied methods and theories borrowed from Social Network Analysis for the analysis of 6 case studies based on written and oral sources with a total of 1.500 actors and 5.000 relations.
- 1 Sep 2005–31 Aug 2006 **MA War, Culture and History** 4 (UL)  
 University of Manchester, Manchester (United Kingdom)  
 MA Thesis on memories of aerial warfare in Coventry and Dresden graded 85% (Distinction), graduation with the overall score 76% (Distinction).
- 1 Sep 2001–31 Oct 2004 **BA European Cultural History** 3 (UL)  
 University of Augsburg, Augsburg (Germany)  
 Studied History, Sociology and Political Science. Graduation with the overall score 1,4.

#### PERSONAL SKILLS

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**Mother tongue(s)** German

**Other language(s)**

UNDERSTANDING	SPEAKING	WRITING
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## Curriculum vitae

	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C2	C2	C2
French	B1	B1	A2	A2	A1
Dutch	B1	B2	A1	A1	A1
Spanish	B1	B1	B1	B1	A2
Luxembourgish	B1	C1	A1	A1	A1

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user  
Common European Framework of Reference for Languages

### Communication skills

I am used to present complex matters to expert and lay audiences in English and German. I regularly teach workshops on network analysis for students and postdoctoral researchers and have taught a graduate seminar on Digital History at UNC Chapel Hill.

I also regularly communicate my research in writing be it in form of journal articles, book chapters or using social media.

Since 2012 I have acted as an intermediary between humanities scholars, computer scientists, developers and engineers and helped their understanding of each other.

### Organisational / managerial skills

I regularly coordinate the work of small teams (3-12) with mixed skills to deliver projects. Examples include the development of the histogram and EIBIO application, pilot studies on network analysis and text analysis (all CVCE) as well as the Historical Network Research group (<http://historicalnetworkresearch.org/>) and during the creation of edited volumes.

I lead the work package on conceptualisation and user evaluation in the FNR/ANR funded project BLIZAAR (Hybrid Visualization of Dynamic Multilayer Graphs).

### Job-related skills

#### Contemporary history

My main expertise lies in the History of National Socialism and the experience of the Second World War in occupied countries. Smaller projects introduced me to the History of slavery and abolitionism in the United States and kindled a continued interest in this field.

#### Social Network Analysis

Very good knowledge of network theory and methods. Experience in research design from 7 research projects and 8 years of extensive working experience with all common software packages.

#### Qualitative Research

Very good theoretical and practical knowledge. Designed and Methods worked with a large coding scheme for qualitative data analysis using MaxQDA, coded more than 100 interviews. Designed questionnaires for 4 research projects, conducted circa 120 interviews.

#### Text analytics

Basic skills in text analytics and good grasp of related methods such as named entity

extraction and topic modeling.

#### Programming

Basic skills in Python allow me to retrieve, process and analyze all the data I need for my research.

#### Computer Simulations

Basic knowledge of the epistemology and methods through a 3-week intensive course in the USA, basic programming skills in Netlogo and experience from the design of 4 models on collective action and helping behavior.

#### Other technical skills

My work requires me to be able to quickly familiarise myself with new technology, be it software, specific programming languages, evaluation methods or user-centred design.

### Digital competence

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Proficient user	Proficient user	Proficient user	Proficient user	Proficient user

Digital competences - Self-assessment grid

### ADDITIONAL INFORMATION

#### Grants

BLIZAAR - Hybrid Visualization of Dynamic Multilayer Graphs

Grant for the development of advanced graph visualization techniques by the French ANR and Luxembourgish FNR. Together with LIST (Luxembourg), EISTI and LaBRI (France). Project duration: 36 months, 105k.

Workshop grant by the ALLC, The European Association for Digital Humanities

Titled "Get going: The Nijmegen Spring School in eHumanities 2013" held in April 2013 at Radboud University Nijmegen, The Netherlands.

Stipend for the "Computer Simulations in the Humanities" at the University of Charlotte/USA (1.700 USD)

2-year PhD Scholarship from the Gerda Henkel-Stiftung, Düsseldorf/Germany

Award and funding from the Federal German Agency for Political Education (Bundeszentrale für politische Bildung)

Project to support youth education and participation, in cooperation with Quax e.V., Munich/Germany. Project duration: 6 months, 15k.

2nd Place in the Imperial War Museum London's Student Film Festival

Documentary on the murals in Derry, Ireland (together with 2 colleagues)

1-year scholarship for graduates by the German Academic Exchange Service (DAAD)

#### Teaching

HIST 890-005 - Introduction to Digital History

## Curriculum vitae

Graduate seminar at University of North Carolina at Chapel Hill (2014).

From text to data to networks

Interactive workshop, so far held at ca. 30 institutions in Europe and the United States (since 2011).

Instructor at the Trier Summer School in Social Network Analysis

Together with a colleague I am responsible for the design and teaching of a module on historical network research (since 2013).

Scopes of Action in Contexts of Collective Violence. Concepts and Methods for Empirical Research on Perpetrators and Helpers during the Holocaust Undergraduate seminar with Sebastian Wessels at the Ruhr Universität Bochum, Department of History (2010).

### Memberships

INSNA - International Network for Social Network Analysis

VdH - Verband der Historiker und Historikerinnen Deutschlands, Arbeitsgemeinschaft für "Digitale Geschichtswissenschaft"

### Reviewer (Selection)

Reviewer for the Netherlands Organisation for Scientific Research (NWO)

Reviewer for the following journals: Social Networks, Asian Journal of Social Science, Digital Scholarship in the Humanities (formerly Journal of Literary and Linguistic Computing)

Reviewer for the following conferences and workshops: HistoInformatics, Historical Network Research Conferences, DH Benelux, EUSN2016.

### Event organisation

11/2014 - HistoInformatics2014 workshop at SOCINFO

Together with colleagues I organized HistoInformatics, a workshop format which brings scholars in Computer Science and history together.

09/2013 - The Future of Historical Network Research Conference

Together with three colleagues I organized an international conference in the topic at the University of Hamburg. The event was sponsored by NeDiMAH and the European Science Foundation.

11/2012 - eHumanities Spring School, a 3-day intensive workshop on Python, R and Network Analysis

Concept developed with Dr. Mike Kestemont, the workshop took place in March 2013 and was funded by the European Association for Digital Humanities (ALLC).

Since 11/2010 - Website Historical Network Research and Newsletter

Initiation and maintenance of the online platform "Historical Network Research" and a newsletter (450 subscribers) available at <http://historicalnetworkresearch.org> which aggregates information on current research in the field, researchers, publications and events.

Since 11/2009 - Workshop and Conference Series on Network Analysis in History

Initiation and co-organisation of the biannual workshop series "Historische Netzwerkforschung" (Historical Network Research). I hosted and organized one workshop and helped to prepare 5 in Germany, Austria and Switzerland. Initiation and co-organisation of 2 workshops on Network Analysis in the Humanities and Social Sciences at the University of Trier/Germany.

### Training

07/2012 - Video Annotation

I passed a 2-week intensive course using ELAN at "Culture & Technology" European Summer School in Digital Humanities, Leipzig.

06/2011 - Computer Simulations Training

3-week summer institute "Computer Simulations in the Humanities" at the University of Charlotte/USA fully funded by the US National Endowment for the Humanities (NEH). On the epistemology, methods and research design for agent-based simulations. In the course of the institute I developed my own models and gained practical programming experience.

09/2008 - Social Network Analysis Training

1-week Summer School "Social Network Analysis in the Social Sciences and the Humanities" at the University of Trier on the basics of network analysis theory, methods and research design.

## Publications Books

With Adam Jatowt, Johannes Preiser-Kapeller, and van den Bosch, Antal (eds.) Proceedings of the 3rd HistoInformatics Workshop on Computational History (HistoInformatics 2016) Co-Located with the Digital Humanities 2016 Conference (DH 2016). Vol. 1632. 1 vols. CEUR Workshop Proceedings, 2016. <http://ceur-ws.org/Vol-1632/>.

Verdeckte soziale Netzwerke im Nationalsozialismus. Die Entstehung und Arbeitsweise von Berliner Hilfsnetzwerken für verfolgte Juden, Berlin: de Gruyter 2015.

With Eumann, Ulrich, Keyserlingk, Linda von, Stark, Martin (eds.): Handbuch Historische Netzwerkforschung, Münster: Lit-Verlag 2016.

With Markus Gamper and Linda Reschke (eds.): Knoten und Kanten III. Soziale Netzwerkanalyse in den Geschichts- und Politikwissenschaften: Bielefeld: Transcript 2015.

With Kerschbaumer, Florian, Keyserlingk, Linda von, Stark, Martin (eds.): The Power of Networks. Prospects of Historical Network Research, London: Ashgate [2016].

## Refereed Articles

"How reliable are centrality measures for data collected from fragmentary and heterogeneous historical sources? A case study." Proceedings of The Connected Past Conference, 2016.

With Kestemont, Mike, Folgert Karsdorp, "Mining the Twentieth Century's History from the Time Magazine Corpus." EACL 2014, 62.

With Wieneke, Lars et al, "Building the social graph of the History of European Integration: A pipeline for Humanist-Machine Interaction in the Digital Humanities." Proceedings of the HistoInformatics Workshop 2013, 2014.

With Zervanou, Kalliopi et al., "Documenting Social Unrest: Detecting Strikes in Historical Daily Newspapers." Proceedings of the HistoInformatics Workshop 2013, 2014.

With Hendrickx, Iris et al., "Searching and Finding Strikes in the New York Times." Proceedings of the Third Workshop on Annotation of Corpora for Research in the Humanities (ACRH-3) 2013, 2014.

With Eumann, Ulrich, "Historische Netzwerkforschung. Ein neuer Ansatz in den Geschichtswissenschaften." Geschichte und Gesellschaft 39 (2013), p. 369-390.

With Beer, Susanne. "Hilfe für verfolgte Juden im Nationalsozialismus: Biographische und sozialstrukturelle Zugänge am Beispiel der Berliner Helferin Ruth Andreas-Friedrich." Medaon 5, no. 9 (2011): 1–17. [http://medaon.de/pdf/A\\_Beer-Duering-9-2011.pdf](http://medaon.de/pdf/A_Beer-Duering-9-2011.pdf).

With Stark, Martin, Matthias Bixler, and Michael Kronenwett. "Vennmaker for Historians: Sources, Social Networks and Software." Redes. Revista Hispana para el Análisis de Redes Sociales 21 (2011): 1–32. [http://revista-redes.rediris.es/pdf-vol21/vol21\\_8e.pdf](http://revista-redes.rediris.es/pdf-vol21/vol21_8e.pdf).

## Book Chapters

"Hilfe für Verfolgte während des Nationalsozialismus: Ein systematischer Vergleich von Egonetzwerken." In Vom Papier zum Laptop? Perspektiven elektronischer Tools zur

partizipativen Visualisierung und Analyse sozialer Netzwerke. Edited by Michael Schönhuth et al. Bielefeld: transcript, 2013.

"Netzwerkvisualisierungen in den Geschichtswissenschaften zwischen explorativer Quellenanalyse und der Suggestionskraft des Bildes." In Visualisierung sozialer Netzwerke. Edited by Roger Häußling. 1st ed. Wiesbaden: VS Verlag für Sozialwissenschaften, 2016.

"Netzwerkforschung in den Geschichtswissenschaften zwischen Metaphern, Strukturen und Datenbanken. Ein Überblick." In Netzwerke in bildungshistorischer Perspektive. Edited by Hans-Ulrich H.-O. A. M. P. Grunder. Bad Heilbrunn: Klinkhardt, 2012.

With Kerschbaumer, Florian. "Quantifizierung und Visualisierung. Anknüpfungspunkte in den Geschichtswissenschaften." In Historische Netzwerkforschung. Edited by Marten Düring et al. Münster: Lit-Verlag, 2016.

"Agent-based Modeling, Counterfactual Thinking and the Historical Method" in: Proceedings of the Human Complexity 2012 Conference, June 2012, Pan Stanford Press, 2014.

With Keyserlingk, Linda von. "Netzwerkanalyse in den Geschichtswissenschaften: Historische Netzwerkanalyse als Methode für die Erforschung von historischen Prozessen." In Prozesse – Formen, Dynamiken, Erklärungen. Edited by Rainer Schützeichel and Stefan Jordan. Wiesbaden: VS Verlag für Sozialwissenschaften, 2015.

### Other Publications

"Das Dilemma zwischen Effizienz und Sicherheit: Über die Beziehungen zwischen Verfolgten des Nationalsozialismus und ihren Helfern." Informationen. Wissenschaftliche Zeitschrift des Studienkreises Deutscher Widerstand 1933-1945, no. 73 (2011): 19–24.

"From Hermeneutics to Data to Networks: Data Extraction and Network Visualization of Historical Sources." <http://programminghistorian.org/lessons/creating-network-diagrams-from-historical-sources>, 2015.

"Cheat Sheet: Social Network Analysis for Humanists." Digital Humanities LAB at CVCE. April 13. <http://cvcedhlab.hypotheses.org/106>, 2015.

### Software

Guido, Daniele; Wieneke Lars; Düring, Marten. histogram. Graph-Based Exploration, Crowdsourced Indexation. Luxembourg: CVCE, 2016. [histograph.eu](http://histograph.eu).