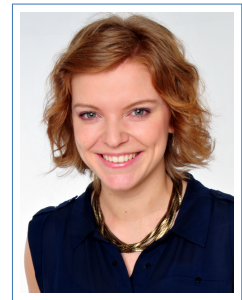


# Anna Maria Feit

## Curriculum Vitae

Vanha Viertotie 9 C 78  
00280 Helsinki, Finland  
☎ 00358 452463633  
✉ [anna.feit@aalto.fi](mailto:anna.feit@aalto.fi)  
🌐 [www.annafeit.de](http://www.annafeit.de)

Date of birth: 23.12.1988  
Nationality: German



I am a doctoral student in Human-Computer Interaction, interested in the optimization of user interfaces. In my PhD, I study and model various aspects of interaction and apply these models in the computational optimization of input methods, particularly focusing on text entry systems.

### Education

- since 03/2014 **Doctoral Candidate in Human-Computer Interaction**, *User Interfaces Group at Aalto University, Helsinki, Finland*, Supervisor: Prof. Antti Oulasvirta.  
Focus: Text entry, optimization, user modeling, computational interaction
- 2012–2013 **Master of Computer Science**, *Saarland University, Saarbrücken*, GPA – 1.2  
*Honors Degree*.  
Grade range: 1.0 (best) – 4.0
- 2008–2012 **Bachelor of Computer Science**, *Saarland University, Saarbrücken*, GPA – 1.6  
Minor: Computational linguistics.  
Grade range: 1.0 (best) – 4.0

### Publications

- For a full list of publications, see <https://scholar.google.com/citations?user=4ZajJOQAAAAJ>
- CHI 2017 **Anna Maria Feit**, et al., *Toward Everyday Gaze Input: Accuracy and Precision of Eye Tracking and Implications for Design*, In Proceedings of the Conference on Human Factors in Computing Systems, ACM 2017.
- CHI 2016 **Anna Maria Feit**, Daryl Weir and Antti Oulasvirta, *How We Type: Movement Strategies and Performance in Everyday Typing*, In Proceedings of CHI 2016.
- CHI 2015 Srinath Sridhar, **Anna Maria Feit**, Christian Theobalt and Antti Oulasvirta, *Investigating the Dexterity of Multi-Finger Input for Mid-Air Text Entry*, In Proceedings of CHI 2015.
- DIS 2014 **Anna Maria Feit** and Antti Oulasvirta, *PianoText: Redesigning the Piano Keyboard for Text Entry*, In Proceedings of DIS 2014.

### Skills

#### Research

**Areas of Expertise:** Text entry, UI optimization, user modelling, eye tracking

**Skills:** Optimization with integer programming (Gurobi) and heuristic methods, data analysis and modelling with Matlab and Python, quantitative and qualitative research methods, software development in Java and Python

#### Programming

- Java, C#
- Python
- Matlab
- Html, CSS, Javascript

## Hardware Experience

- Optical Motion Capture, *OptiTrack*
- Leap motion, markerless hand tracking
- Eye tracking, *SMI, Tobii*
- Midi Synthesizer

## Languages

German

*Mothertongue*

English

*fluently written and spoken*

French

*Basic words and phrases*

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## Experience

### Research

- 04/2016–  
07/2016 **Intern**, *Microsoft Research*, Redmond, Enable Group.  
Topic: Accuracy and precision of eye tracking, text entry by eye gaze for people with ALS
- since 03/2014 **Aalto University**, *Helsinki, Finland*, User Interfaces group of Prof. Antti Oulasvirta.  
Doctoral Researcher
- 04/2012 -  
03/2014 **Max-Planck Institute for Informatics and Cluster of Excellence on “Multimodal Computing and Interaction”**, *Saarbrücken, Germany*, Human Computer Interaction Group of Dr. Antti Oulasvirta.  
Researcher and Student Assistant
- 10/2010–  
02/2012 **German Research Center for Artificial Intelligence**, *Saarbrücken, Germany*, Research Group for Agents and Simulated Reality by Prof. Philipp Slusallek.  
Student Assistant

### Teaching & Supervision

- 2015, 2017 **Lecturer**, Summer School on Computational Interaction.
- 2014, 2015, 2017 **Guest Lecturer**, Computational User Interface design & Research Project in Human-Computer Interaction, *Aalto University*.
- 2015- 2017 **Master Supervision:**  
Identification of typing strategies from large keylog datasets *Vivek Dhakal*  
Empirical Analysis of Selection Based Text Entry in Virtual Reality, *Pascal Ziegler*  
and more.

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## Grants and Recognitions

- 2017 *Best paper Honorable Mention (top 5%)* for a full paper presented at CHI '17
- 2017 *Exceptional Reviewer distinction* at ACM CHI'17
- 2017 *CHI 2017 Doctoral Consortium travel grant*
- 2015 *Nokia Scholarship*
- 2014 *HPY Research Foundation grant*

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## Service

- 2017 Program Committee Member at ACM MobileHCI '17
- 2016 Organization of the *2nd Summer School on Computational Interaction*, Helsinki
- since 2015 Reviewer for CHI, UIST, TOCHI, IMWUT, TiiS, MobileHCI, etc.
- 10/2014 Student Volunteer at *NordiCHI 2014*, Helsinki, Finland