

Anna Maria Feit

Curriculum Vitae

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I am a researcher in Human-Computer Interaction, focusing on the computational design of input methods. In particular, I am interested in text entry systems. I study and model different aspects of interaction and apply these models in the computational optimization of interfaces.

Education

- 2014–2018 **PhD in Human-Computer Interaction**, *Aalto University, User Interfaces Group*, Helsinki, Finland, Supervisor: Prof. Antti Oulasvirta.
Passed with Distinction.
Focus: Computational interaction, UI optimization, text entry
- 2012–2013 **Master of Computer Science**, *Saarland University*, Saarbrücken, Germany,
GPA – 1.2, Honors Degree. Grade range: 1.0 (best) – 4.0.
- 2008–2012 **Bachelor of Computer Science**, *Saarland University*, Saarbrücken, Germany,
GPA – 1.6. Minor: Computational linguistics.

Positions

- since 09/2018 **Postdoctoral Researcher**, *ETH Zurich, Advanced Interactive Technologies Group*, Zurich, Switzerland.
- 2014–2018 **Doctoral Student**, *Aalto University, User Interfaces Group*, Helsinki, Finland.
- 04/2016–
07/2016 **Research Intern**, *Microsoft Research, Enable Group*, Redmond, USA.
Topic: Accuracy and precision of eye tracking, text entry by eye gaze for people with ALS
- 10/2013–
03/2014 **Researcher**, *Max-Planck Institute for Informatics and MMCI, Human-Computer Interaction Group*, Saarbrücken, Germany.

Publications

For a full list of publications, see <https://scholar.google.com/citations?user=4ZajJ0QAAAAJ>

- CHI 2018 🏆 Vivek Dhakal, **Anna Maria Feit**, et al., *Observations on Typing from 136 Million Full Paper Keystrokes*, In Proceedings of the Conference on Human Factors in Computing Systems, ACM 2018.
- 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.

- TOCHI 2017 Antti Oulasvirta, **Anna Maria Feit**, et al., *Computational support for functionality selection in interaction design*, Transactions on Computer-Human Interaction (TOCHI), ACM 2017.
- CHI 2016 **Anna Maria Feit**, Daryl Weir, Antti Oulasvirta, *How We Type: Movement Strategies and Performance in Everyday Typing*, In Proceedings of the Conference on Human Factors in Computing Systems, ACM 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 the Conference on Human Factors in Computing Systems, ACM 2015.
- DIS 2014 **Anna Maria Feit** and Antti Oulasvirta, *PianoText: Redesigning the Piano Keyboard for Text Entry*, In Proceedings of the Conference on Designing Interactive Systems, ACM 2014.

Invited Talks

- 07/2018 **Seminar talk**, *Dagstuhl Seminar on Computational Interactivity*, Topic: Optimization of text input.
- 09/2018 **Conference talk**, *International Conference on Operations Research*, Topic: Optimizing special character entry: the case of the French keyboard standard.

Teaching & Supervision

- 2018 **Guest Lecturer, TA**, Human-Computer Interaction, *ETH Zurich*.
- 2015,2017 **Lecturer**, Summer School on Computational Interaction, *University of Glasgow*.
- 2014, 2015 **Guest Lecturer**, User Interfaces course, *Aalto University*.
- 2015, 2016 **Master Thesis Supervision:**
Fast Application Switch for Mobile Multitask Optimization, *Chen Wang*
Notification Brokering Algorithm for Smartphones, *Mehmet Okatan*
Identification of Typing Behaviors from Large Typing Datasets, *Vivek Dhakal*

Grants and Recognitions

- 2017, 2018 *Best paper Honorable Mention (top 20%)* for full papers at CHI '17, CHI '18
- 2017 *Exceptional Reviewer distinction* at ACM CHI'17
- 2017 *CHI 2017 Doctoral Consortium travel grant*
- 2015 *Nokia Scholarship*
- 09/2105 *Travel Grant, ACM-W womENCourage conference*
- 2014 *HPY Research Foundation grant*

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