

ZHANNA SARSENBAYEVA

Curriculum Vitae

CONTACT

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Website: <https://zhannina.github.io/>

EDUCATION

2017 – current **PhD in Computer Science (Engineering)**, The University of Melbourne, Melbourne, Australia

2014 – 2016 **Master of Science (Technology)** in Master's Degree Programme in Computer Science and Engineering (Thesis grade – excellent), University of Oulu, Oulu, Finland

2007 – 2010 **BSc Computer Science (Honours)**, University College London, London, UK

AWARDS AND RECOGNITION

2019: **Gaetano Borriello Outstanding Student Award** for outstanding research contributions and service to the field of ubiquitous and pervasive computing, UbiComp'19, London, UK

2019: **Google PhD Fellowship in Human-Computer Interaction**

2019: **Diane Lemaire Scholarship**, School of Engineering, The University of Melbourne, Awarded to only 1 female student per year

2018: **Best Presentation Award – Honourable Mention**, Doctoral Colloquium, UbiComp'18, Singapore

2018: **UbiComp'18 Travel Grant**, Singapore

2018: **Google PhD Travel Scholarship**

2017: **SIGCHI Best of OzCHI Honourable Mention Award (top 5% of papers)**, OzCHI 2017, Brisbane, Australia

2017: **Google PhD Travel Scholarship**

2017: **Melbourne Research Scholarship**, The University of Melbourne

2017: **Best Poster Award – Honourable Mention**, Doctoral Colloquium, The University of Melbourne, Australia

2016: **Best Project Award**, International UBI Summer School 2016, Oulu, Finland

2015: **Best Presentation Award**, International UBI Summer School 2015, Oulu, Finland

WORK EXPERIENCE

Feb 2019 – current **Research Assistant**, The University of Melbourne, Australia

Semester 1, 2019 **Tutor** (Designing Novel Interactions), The University of Melbourne, Australia

Semester 2, 2018 **Tutor** (Fundamentals of Interaction Design), The University of Melbourne, Australia

Semester 2, 2017 **Tutor** (Graphics and Interaction, Fundamentals of Interaction Design)
The University of Melbourne, Australia

Sep 2015 – Dec 2016 **Research Assistant** in the Center for Ubiquitous Computing
University of Oulu, Finland

Nov 2011 – July 2014 **Teaching Assistant** in Computer Science Department
Nazarbayev University, Astana, Kazakhstan

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Sep 2010 – Nov 2011 **Technical Consultant**, Medtronic, Almaty, Kazakhstan

ADDITIONAL WORK EXPERIENCE

2017 – current Consultant, www.wunder.kz, Almaty, Kazakhstan

EXTRACURRICULAR ACTIVITIES

2019: Melbourne Knowledge Week, Melbourne, Australia (Demo: Emotion Detection Using Smartphones)

2018: Secretary at Computer and Information Systems Research Students Organisation (CIS-GReS), The University of Melbourne, Australia

2017: N2Women Meeting Attendee, UbiComp'17, Maui, USA

2017: University of Melbourne Open Day, Australia (Demo: Emotion Detection Using Smartphones)

2016: N2Women Meeting Attendee, UbiComp'16, Heidelberg, Germany

ACADEMIC SERVICE

2019: External Reviewer for IJHCS, IMWUT

2019: Co-organiser, Workshop on “Addressing the Challenges of Situationally-Induced Impairments and Disabilities in Mobile Interaction”, CHI'19, Glasgow, UK

2019: Video Previews Co-Chair, CHI'19, Glasgow, UK

2018: Co-organiser, Workshop on “Ubiquitous Mobile Sensing: Behaviour, Mood, and Environment”, UbiComp'18, Singapore

2018: Student Volunteer, UbiComp'18, Singapore

2018: Student Volunteer Chair, OzCHI'18, Melbourne, Australia

2018: Student Design Challenge Chair, OzCHI'18, Melbourne, Australia

2018: External Reviewer for IMWUT, MobileHCI, OzCHI

2017: External Reviewer for IMWUT, OzCHI

2017: Student Volunteer, OzCHI 2017, Brisbane, Australia

2016: Student Volunteer, International UBI Summer School 2016, Oulu, Finland

SUPERVISED MSC THESES

2018: Silan Li (MSc, Co-supervisor (Tech))

2018: Jia Liu (MSc, Co-supervisor (Tech))

INVITED TALKS

2019: “Situational Impairments in Mobile Interaction”, The University of Dundee, UK

2019: “Situational Impairments in Mobile Interaction”, The University of Melbourne, Australia

2018: “Enhancing Mobile Interaction during Situational Impairments”, The University of Manchester, UK

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PUBLICATIONS

2019

Z. Sarsenbayeva, N. van Berkel, D. Hettiachchi, W. Jiang, T. Dingler, E. Velloso, V. Kostakos, J. Goncalves (2019). Measuring the Effects of Stress on Mobile Interaction. Proceedings of the ACM on Interactive, Mobile, Wearable and Ubiquitous Technologies (**IMWUT, UbiComp'19**), 3(1), 24:1-24:18.

C. Wang, **Z. Sarsenbayeva**, C. Luo, J. Goncalves, V. Kostakos (2019). Improving Wearable Sensor Data Quality Using Context Markers. Adjunct Proceedings of the 2019 ACM International Joint Conference on Pervasive and Ubiquitous Computing (**UbiComp'19 Adjunct**), to appear.

Z. Sarsenbayeva, N. van Berkel, W. Jiang, D. Hettiachchi, V. Kostakos, J. Goncalves (2019). Effect of Ambient Light on Mobile Interaction. Proceedings of the 17th IFIP TC.13 International Conference on Human-Computer Interaction (**INTERACT'19**). Lecture Notes in Computer Science, vol 11748. Springer, Cham

Z. Sarsenbayeva, V. Kostakos, J. Goncalves (2019). Situationally-Induced Impairments and Disabilities Research. In Extended Abstracts of the 2019 CHI Conference on Human Factors in Computing Systems (**CHI'19 EA**).

G.W. Tigwell, **Z. Sarsenbayeva**, B.M. Gorman, D.R. Flatla, J. Goncalves, Y. Yesilada, J.O. Wobbrock (2019). Addressing the Challenges of Situationally-Induced Impairments and Disabilities in Mobile Interaction. In Extended Abstracts of the 2019 CHI Conference on Human Factors in Computing Systems (**CHI'19 EA**).

C. Luo, A. Visuri, S. Klakegg, N. van Berkel, **Z. Sarsenbayeva**, A. Möttönen, J. Goncalves, T. Anagnostopoulos, D. Ferreira, H. Flores, E. Velloso, V. Kostakos (2019). Energy-Efficient Prediction of Smartphone Unlocking, **Personal and Ubiquitous Computing**, 23(1), 159-177.

2018

Z. Sarsenbayeva, N. van Berkel, E. Velloso, V. Kostakos, J. Goncalves (2018). Effect of Distinct Ambient Noise Types on Mobile Interaction. Proceedings of the ACM on Interactive, Mobile, Wearable and Ubiquitous Technologies (**IMWUT, UbiComp'18**), 2(2), 82:1-82:23.

S. Klakegg, J. Goncalves, C. Luo, A. Visuri, A. Popov, N. van Berkel, **Z. Sarsenbayeva**, V. Kostakos, S. Hosio, S. Savage, A. Bykov, I. Meglinski, D. Ferreira (2018). Assisted Medication Management in Elderly Care Using Miniaturised Near-Infrared Spectroscopy. Proceedings of the ACM on Interactive, Mobile, Wearable and Ubiquitous Technologies (**IMWUT, UbiComp'18**), 2(2), 69:1-69:24. **Best Paper Award**.

Zhanna Sarsenbayeva. Situational Impairments during Mobile Interaction. Adjunct Proceedings of the 2018 ACM International Joint Conference on Pervasive and Ubiquitous Computing (**UbiComp'18 Adjunct**) 1(1), 11:498-11:503. **Best Presentation** – Honourable Mention Award.

O. Matthews, **Z. Sarsenbayeva**, W. Jiang, J. Newn, E. Velloso, S. Clinch, J. Goncalves (2018). Inferring the Mood of a Community From Their Walking Speed: A Preliminary Study. Adjunct Proceedings of the 2018 ACM International Joint Conference on Pervasive and Ubiquitous Computing (**UbiComp'18 Adjunct**), 1144-1149.

W. Jiang, G. Marini, N. van Berkel, **Z. Sarsenbayeva**, C. Luo, X. He, T. Dingler, Y. Kawahara & V. Kostakos. A Mobile Scanner for Probing Liquid Samples in Everyday Settings. Proceedings of the 2018 ACM International Joint Conference on Pervasive and Ubiquitous Computing (**UbiComp'18 Adjunct**), 1172-1177.

A. Visuri, K. Asare, E. Kuosmanen, Y. Nishiyama, D. Ferreira, **Z. Sarsenbayeva**, J. Goncalves, N. van Berkel, G. Wadley, V. Kostakos, S. Clinch, O. Matthews, S. Harper, A. Jenkins, S. Snow, m. c. schraefel (2018). Ubiquitous Mobile Sensing: Behaviour, Mood, and Environment. Adjunct Proceedings of the 2018 ACM International Joint Conference on Pervasive and Ubiquitous Computing (**UbiComp'18 Adjunct**), 1140-1143.

S. Mayer, L. Lischke, J. E. Grønbaek, **Z. Sarsenbayeva**, J. Vogelsang, P. Woźniak, N. Henze, G. Jacucci. Pac-Many: Movement Behavior when Playing Collaborative and Competitive Games on Large Displays.

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In Proceedings of the ACM SIGCHI Conference on Human Factors in Computing Systems 2018 (**CHI'18**), 539:1-539:10.

2017

Z. Sarsenbayeva, N. van Berkel, A. Visuri, S. Rissanen, H. Rintamäki, V. Kostakos, J. Goncalves (2017). Sensing Cold-Induced Situational Impairments in Mobile Interaction using Battery Temperature. Proceedings of the ACM on Interactive, Mobile, Wearable and Ubiquitous Technologies (**IMWUT, UbiComp'17**) 1(3), 98:1-98:10.

Z. Sarsenbayeva, D. Ferreira, N. van Berkel, C. Luo, M. Vaisanen, V. Kostakos, J. Goncalves (2017). Vision-Based Happiness Inference: A Feasibility Case-Study. Adjunct Proceedings of the 2017 ACM International Joint Conference on Pervasive and Ubiquitous Computing (**UbiComp'17 Adjunct**), 494-499.

Z. Sarsenbayeva, N. van Berkel, C. Luo, V. Kostakos, J. Goncalves (2017). Challenges of Situational Impairments during Interaction with Mobile Devices. Proceedings of the 29th Australian Conference on Human-Computer Interaction (OzCHI'17), 477-481. **Best Paper** – Honourable Mention Award.

A. Visuri, **Z. Sarsenbayeva**, N. van Berkel, J. Goncalves, R. Rawassizadeh, V. Kostakos, D. Ferreira (2017). Quantifying Sources and Types of Smartwatch Usage Sessions. In Proceedings of the ACM SIGCHI Conference on Human Factors in Computing Systems 2017 (**CHI'17**), 3569-3581.

J. Goncalves, **Z. Sarsenbayeva**, N. van Berkel, C. Luo, S. Hosio, S. Risanen, H. Rintamäki, V. Kostakos (2017). Tapping Task Performance on Smartphones in Cold Temperature. **Interacting with Computers**, 29(3), 355-367.

2016

Z. Sarsenbayeva, J. Goncalves, J. García, S. Klakegg, S. Rissanen, H. Rintamäki, J. Hannu, V. Kostakos (2016). Situational Impairments to Mobile Interaction in Cold Environments. In Proceedings of the 2016 ACM International Joint Conference on Pervasive and Ubiquitous Computing (**UbiComp'16**), 85-96.

A. Visuri, **Z. Sarsenbayeva**, J. Goncalves, E. Karapanos, S. Jones (2016). Impact of Mood Changes on Application Selection. In Adjunct Proceedings of the 2016 ACM International Joint Conference on Pervasive and Ubiquitous Computing (**UbiComp'16 Adjunct**), 535-540.