Jannis Strecker

PhD Student at the University of St.Gallen

Work

09/2021 - present	**University of St. Gallen, Switzerland** Research Assistant at the Interactions Research Group

Education

09/2021 - present	**University of St. Gallen, Switzerland** Pursued Degree: PhD in Computer Science
03/2021 – 08/2021	**Università della Svizzera italiana, Lugano, Switzerland** Master Thesis at Prof. Marc Langheinrich's group, Final Grade: 1.3 Title: Understanding Purpose-Driven Use of Interpersonal Location Sharing in Mobile Apps
03/2020 – 02/2021	**Università degli Studi di Trento, Italy** ERASMUS Exchange, Visited Masters Degree: Human-Computer Interaction
04/2018 – 08/2021	**Eberhard Karls Universität Tübingen, Germany** Degree: Master of Science in Media Informatics, Final Grade: 1.44
10/2014 – 03/2018	**Eberhard Karls Universität Tübingen, Germany** Degree: Bachelor of Science in Media Informatics, Final Grade: 2.1

Academic Volunteering

	Reviewing for: CHI2023, CHI2024, IMWUT, UbiComp2023, Mensch und Computer 2023
23.04. - 28.04.22	**CHI 2023,** Hamburg, Germany (Student Volunteer)
12.09. - 15.09.22	**UbiComp 2022,** Cambridge, UK (Student Volunteer)
12.09. - 16.09.16	**UbiComp 2016,** Heidelberg, Germany (Student Volunteer)
05.09. - 09.09.15	**Mensch und Computer 2015,** Stuttgart, Germany (Student Volunteer)

Practical Experience

04/2019 – 03/2021	**Research Training Group 1808: Ambiguity, University of Tübingen, Germany** Project: "TinCAP", Role: Student Assistant (10h per month) Tasks: Web development (PHP, JavaScript, OpenLDAP, CSS), Server configuration (Apache, CentOS)
05/2018 – 08/2019	**English Seminary, University of Tübingen, Germany** Project: "Annotating Literature", Role: Student Assistant (15h per month) Tasks: Web development (PHP, JavaScript, CSS, MySQL)

Languages

German	Native Language
English	Fluency in writing and speaking (C1, study & work in English)
Italian	Good understanding and speaking skills (B1)
French	Basic understanding (A1)

Publications

2024

Aleksandar Slavuljica, Kenan Bektaş, Jannis Strecker, and Simon Mayer. 2024. **NeighboAR: Efficient Object Retrieval using Proximity- and Gaze-based Object Grouping with an AR System**. Proc. ACM Hum.-Comput. Interact. 8, ETRA, Article 225 (May 2024), 19 pages. https://doi.org/10.1145/3655599

Jannis Strecker, Jing Wu, Kenan Bektaş, Conrad Vaslin, and Simon Mayer. 2024. **ShoppingCoach: Using Diminished Reality to Prevent Unhealthy Food Choices in an Offline Supermarket Scenario**. In Extended Abstracts of the CHI Conference on Human Factors in Computing Systems (CHI EA '24), May 11–16, 2024, Honolulu, HI, USA. ACM, New York, NY, USA, 8 pages. https://doi.org/10.1145/3613905.3650795

Kenan Bektaş, Adrian Pandjaitan, Jannis Strecker, and Simon Mayer. 2024. **GlassBoARd: A Gaze-Enabled AR Interface for Collaborative Work**. In Extended Abstracts of the CHI Conference on Human Factors in Computing Systems (CHI EA '24), May 11–16, 2024, Honolulu, HI, USA. ACM, New York, NY, USA, 8 pages. https://doi.org/10.1145/3613905.3650965

Jan Grau, Simon Mayer, Jannis Strecker, Kimberly Garcia, and Kenan Bektaş. 2024. **Gaze-based Opportunistic Privacy-preserving Human-Agent Collaboration.** In Extended Abstracts of the CHI Conference on Human Factors in Computing Systems (CHI EA '24), May 11–16, 2024, Honolulu, HI, USA. ACM, New York, NY, USA, 7 pages. https://doi.org/10.1145/3613905.3651066

Luka Bekavac, Simon Mayer, and Jannis Strecker. 2024. **QR Code Integrity by Design**. In Extended Abstracts of the CHI Conference on Human Factors in Computing Systems (CHI EA '24), May 11–16, 2024, Honolulu, HI, USA. ACM, New York, NY, USA, 9 pages. https://doi.org/10.1145/3613905.3651006

Kenan Bektaş, Jannis Strecker, Simon Mayer, and Kimberly Garcia. 2024. **Gaze-enabled activity recognition for augmented reality feedback.** Computers & Graphics (2024), 103909. https://doi.org/10.1016/j.cag.2024.103909

2023

Jannis Strecker, Khakim Akhunov, Federico Carbone, Kimberly García, Kenan Bektaş, Andres Gomez, Simon Mayer, and Kasim Sinan Yildirim. 2023. **MR Object Identification and Interaction: Fusing Object Situation Information from Heterogeneous Sources.** Proc. ACM Interact. Mob. Wearable Ubiquitous Technol. 7, 3, Article 124 (September 2023), 26 pages. https://doi.org/10.1145/3610879

Jannis Strecker, Simon Mayer, & Kenan Bektas. (2023). **Sharing Personalized Mixed Reality Experiences**. In P. Fröhlich & V. Cobus (Eds.): Mensch und Computer 2023 – Workshopband. 03.-06. September 2023. Rapperswil (SG). https://doi.org/10.18420/muc2023-mci-ws12-263

Kenan Bektaş, Jannis Strecker, Simon Mayer, Dr. Kimberly Garcia, Jonas Hermann, Kay Erik Jenß, Yasmine Sheila Antille, and Marc Solèr. 2023. **GEAR: Gaze-enabled augmented reality for human activity recognition**. In Proceedings of the 2023 Symposium on Eye Tracking Research and Applications (ETRA '23). ACM, New York, NY, USA, Article 9, 1–9. https://doi.org/10.1145/3588015.3588402

2022

Jannis Strecker, Kimberly García, Kenan Bektaş, Simon Mayer, and Ganesh Ramanathan. 2022. **SOCRAR: Semantic OCR through Augmented Reality**. In Proceedings of the 12th International Conference on the Internet of Things (IoT '22), November 7–10, 2022, Delft, Netherlands. ACM, New York, NY, USA, 8 pages. https://doi.org/10.1145/3567445.3567453

Kenan Bektas, Jannis Strecker, Simon Mayer, and Markus Stolze. 2022. **EToS-1: Eye Tracking on Shopfloors for User Engagement with Automation**. In Proceedings of the Workshop on Engaging with Automation co-located with the ACM Conference on Human Factors in Computing Systems (CHI 2022), April 30, 2022, New Orleans, LA, USA. https://www.alexandria.unisg.ch/266339