

SALIHA IREM BESIK

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Personal Details

Gender: Female


Date of Birth: 10.03.1991

Marital Status: Married

Education

- 07.2016 – 09.2022  **Post-graduate studies**, Humboldt-Universität zu Berlin, Institut für Informatik, Berlin, Germany.
Research Topic: Building Privacy-Awareness into Workflows.
In this project, we focused on detecting privacy violations in existing workflows and providing organizations with constructive feedback on how to address them.
Research areas: *Privacy, GDPR Compliance, Business Process Modeling (BPM), Database Systems*
Supervisor: Prof. Johann-Christoph Freytag
- 02.2013 – 12.2015  **Master of Science (M.S.)**, Middle East Technical University (METU), Computer Engineering, Ankara, Turkey.
Thesis: Design And Development Of Medical Recommendation System For Home Care Service For Geriatrics Abstract can be reached [here](#). To access full thesis, please contact me.
Advisor: Professor Ferda Nur Alpaslan
Research areas: *Machine learning, computational biology, data mining, artificial intelligence*.
Cumulative GPA: 3.79 / 4.0
Graduated with High Honor Degree.
Courses Taken: *Advanced Data Mining, Machine Learning, Artificial Intelligence, Information Retrieval, Database Management Systems, Intruduction to Theory of Computation, Computer Networks and Communications*.
- 09.2008 – 01.2013  **Bachelor of Science (B.S.)**, Bilkent University, Computer Science, Ankara, Turkey.
Senior Project: Active Citizen
Active Citizen is developed as a mobile application which provides citizens to actively participate in the city management and the city life. In this way, citizens, non-governmental organizations and municipalities are able to communicate quickly to solve the problems related to cities and municipalities.
Advisor: Professor Bedir Tekinerdogan
Cumulative GPA: 3.20 / 4.00
Courses Taken: *Algorithms and Programming I and II, Fundamental Structures of Computer Science I and II, Digital Design, Computer Organization, Programming Languages, Object-Oriented Software Engineering, Data Organization and Management, Operating Systems, Database Management Systems, Microprocessors, Basics of Signals and Systems, Algorithms, Software Architecture Design, Principles of User Interface Design, Introduction to Machine Learning, Software Engineering Project Management*.

Education (continued)

- 01.2011– 07.2011  **Erasmus student**, University of Aberdeen, Computing Science, Aberdeen, Scotland.
Course Project: BabyClothesSeller
Advisor: Dr. Advait Siddharthan
BabyClothesSeller is a baby clothes selling system which is implemented as a web shop and allows customers to order baby clothes online. It is developed within the scope of Human Computer Interaction course.

Employment History

- 04.2022 –  **Hiking Guide**, Nature Meet and Urbanature Travel, Berlin, Germany.
- 09.2019 – 10.2019  **Research Fellow**, Universität Wien, Workflow Systems and Technology Research Group, Vienna, Austria.
Supervisor: Prof. Stefanie Rinderle-Ma
- 07.2016 – 10.2019  **Teaching Assistant and Grader**, Humboldt-Universität zu Berlin, Institut für Informatik, Berlin, Germany.
Assisted Courses: Database Management Systems I.
- 04.2016 – 04.2019  **Research Assistant**, SOAMED Graduate School, Berlin, Germany.
Project: Service-oriented Architectures for the Integration of Software-based Processes, exemplified by Health Care Systems and Medical Technology
Supported by Deutsche Forschungsgemeinschaft (DFG 1651)
- 06.2014 – 01.2016  **Researcher**, FONET IT Solutions Inc, Ankara, Turkey.
Project: Design and Development of patient-based e-health platform for sustainable health care service
Supported by Scientific and Technological Research Council of Turkey - Technology and Innovation Funding Programs (1501)
- 08.2015 – 01.2016  **Researcher**, CompuGroup Medical Solutions Inc, Ankara, Turkey.
Project: Development of a rule-based clinical decision support system to reduce mistakes caused by electronic health records
Supported by Scientific and Technological Research Council of Turkey - Technology and Innovation Funding Programs (1501)
- 02.2013 – 12.2015  **Teaching Assistant and Grader**, Middle East Technical University, Computer Engineering Department, Ankara, Turkey.
Assisted Courses: Introduction to Computer Engineering Concepts, C Programming, Logic Design, Introduction to Database Management Systems, Computer Organization, Computer Engineering Design I and II.
- 06.2012 – 09.2012  **Software Developer**. Codebase, Ankara, Turkey.

Employment History (continued)

Internships

- 08.2011 – 09.2011 ■ **Intern Software Developer.** Aydın Yazılım ve Elektronik Sanayii A.Ş. (AYESAS, Software and Electronics), Ankara, Turkey.
Project: AYESAS Web-Based Test Generation and Execution System (Testmatic)
Advisor: Dr. Mert Sungur
Testmatic was developed so that AYESAS needs such software for testing interviews and evaluation of infirm training for its own employees.
- 08.2010 – 09.2010 ■ **Intern Software Developer.** Scientific and Technological Research Council of Turkey, Informatics and Information Security Research Center, Ankara, Turkey.
Project: Developing a scoring formula rate to Determine the Social Aid Beneficiaries
Advisor: Assist. Prof. Dr. Kıvanç Dinçer
This study aims to develop a pointing formula to determine whether a citizen should take an assistance of Turkish Ministry of Family and Social Policies or not. In this system, citizens wanting to have assistance should fill their information on web-based surveys.

Academic Honors & Awards

- 2008 – 2013 ■ Honor Degree in Bilkent University, Spring 2008 through Fall 2013, for attaining a semester GPA of at least 3.00.
- 2007 – 2013 ■ Full scholarship (tuition and expenses) awarded by Bilkent University.
- 2007 ■ Ranked as 892th among over one million competitors at the Turkish Nationwide University Entrance Exam.
- 2004 – 2017 ■ Admiration Certificate for each semester, Ahmet Ulusoy Science High School.

Research Publications

1. Saliha Irem Besik and Ferda Nur Alpaslan. RHCS-A Clinical Recommendation System for Geriatric Patients. In *Heterogeneous Data Management, Polystores, and Analytics for Healthcare*, pages 115-132. Springer, 2018.
2. Saliha Irem Besik. Building Privacy Awareness into Clinical Workflows. *Poster presented at: BPM 2018 Doctoral Consortium*; 2018 Sep 9; Sydney, Australia.
3. Saliha Irem Besik and Johann-Christoph Freytag. A Formal Approach to Build Privacy Awareness into Clinical Workflows. In *SICS Software-Intensive Cyber-Physical Systems Journal* (in press)
4. Saliha Irem Besik and Johann-Christoph Freytag. "Ontology-Based Privacy Compliance Checking for Clinical Workflows." (2019).
5. Saliha Irem Besik and Johann-Christoph Freytag. "Managing Consent in Workflows under GDPR." In ZEUS, pp. 18-25. 2020.

Professional Affiliations & Activities

- 2020 – ■ **Event Organizer and Moderator**, Simurg Berlin e.V., Berlin, Germany.
Simurg e.V. was founded as a non-profit organization in Berlin in 1998. It organizes Turkish-language events primarily in the fields of philosophy, culture, history, and art. For detailed info: <https://simurg-berlin.com/>
- 2016 – 2017 ■ **Radio Speaker**, MetropolFM, Berlin, Germany.
- 2009 – 2013 ■ **Active member**, IEEE Computer Society, Ankara, Turkey.

Professional Affiliations & Activities (continued)

- 2007– 2009
- **News presenter**, Radio Bilkent, Ankara, Turkey.
Speaker in award ceremonies and club meetings.
Took active part in “Bilkent GE100 Orientation Program” as a speaker in presentations and as an employee for stand shifts.
 - **Active member**, Bilkent Computer Clup (BUCC), Ankara, Turkey.
Took active part in organization committee of INET-TR in 2007.
 - **Active member**, Bilkent TDP (Social Awareness Projects), Ankara, Turkey.

Skills

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|-----------|---|
| Coding | ■ Java, Python. |
| Databases | ■ MySQL, PostgreSQL. |
| Misc. | ■ Academic research, teaching, \LaTeX typesetting and publishing. |

Languages

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| Turkish | ■ Native language. |
| English | ■ Advanced (speaking, reading, writing).
92 score in TOEFL IBT - 29 Sep. 2012 (Reading:23, Listening:26, Speaking:23, Writing:20) |
| German | ■ Intermediate B2.1 (speaking, reading, writing). |
| Arabic | ■ Beginner. |
| Spanish | ■ Beginner. |

Interests

Hiking, cycling, karate, swimming, singing.

References

Professor Johann-Christoph Freytag, PhD.
Humboldt-Universität zu Berlin
Department of Computer Science
Unter den Linden 6, 10099 Berlin, Germany
✉ freytag@informatik.hu-berlin.de

Professor Ferda Nur Alpaslan
Middle East Technical University
Department of Computer Engineering
Çankaya 06800, Ankara, Turkey
✉ alpaslan@ceng.metu.tr

Marc-Steffen Zwisele
Project Manager, IVU
- While I have not had the opportunity to work with Marc-Steffen Zwisele directly, we have known each other personally. I believe he would be able to provide valuable insight into my character and work ethic.