

CURRICULUM VITAE

Name: Aviad Elyashar

Date & place of birth: 02/12/1985, Beer-Sheva, Israel

Citizenship: Israeli

Date of arrival to Israel: NA.

Marital status: Unmarried

Affiliation: Ben-Gurion University of the Negev, Beer Sheva, Israel.

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Residence address: Sinai 34/11, Beer-Sheva, Israel.

Military service: 2004-2007 – Computer Network Manager in Beer-Sheva Military Recruitment Office.

1. Academic education

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| 2018 – 2021 | Ben-Gurion University. PhD degree.
PhD degree at the Department of Software and Information System Engineering.
Specialization: Methods for Improving Targeted Data Collection on Online Social Networks.
Advisors: Dr. Rami Puzis, Dr. Michael Fire |
| 2013- 2015 | Ben-Gurion University. M.Sc. degree.
M.Sc. degree at the Department of Software and Information System Engineering.
Specialization: The Security of Organizations and Individuals in Online Social Networks.
Advisors: Prof. Yuval Elovici, Dr. Michael Fire
Final average: 87.42 |
| 2008-2012 | Ben-Gurion University. B.Sc. degree.
B.Sc. degree at the Department of Software and Information System Engineering.
Final average: 81.21 |
| 1999 – 2004 | Itzhak Rager High School, Beer-Sheva, Israel.
Mathematics, English, Computers, and Physics – 5 units each.
Bagrut final average: 99.8 |

2. Academic employment

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| 2022 – Currently | Sami Shamoon College of Engineering. Lecturer. Department of Computer Science. |
| 2018 – 2021 | Ben-Gurion University. Teaching Assistant. Software and Information System Engineering Department.

I gave practical sessions in the courses: Information Retrieval, Databases, and Computer and Network Security. |

2007 – 2008 Itzhak Rabin High School. Teaching Assistant.

3. Industrial engineering experience

- 2016 – Currently **Cyber Labs at BGU (CBG). Project Manager and Data Scientist.**
Working on several projects with Deutsche Telekom, Defence agencies.
- 2012 – 2016 **Senior Software Developer in NGSoft.**
- 2011 – 2012 **Junior Software Developer in Cyber Labs at BGU (CBG).**

4. Academic research and development activities

4.1. Previous research and development activities

Security of organizations and individuals in online social networks (socialbots).

4.2. Present research and development activities

Integrity within online social networks (fake news detection, abuser detection)

4.3. Other relevant activities

Network science.

5. Grants and awards

5.1. Awards

- 2016 M.Sc. Research Excellence Award. Department of Software and Information Systems Engineering
- 2018 – 2022 Excellence scholarship. Kreitman's Negev scholarship.
- 2019 First Place in Imperva Challenge in DMBI Data Hackathon (5,000 NIS).
- 2021 Ph.D. Research Excellence Award (7,000 NIS). Department of Software and Information Systems Engineering.

6. List of publications

6.1. Peer reviewed papers

1. **Social Privacy Protector - Protecting Users' Privacy in Social Networks.** M. Fire, D. Kagan, **A. Elyashar**, and Y. Elovici. *The Second International Conference on Social Eco-Informatics (SOTICS)*, October 2012, Venice, Italy, 46-50.
2. **Organizational Intrusion: Organization Mining Using Socialbots.** **A. Elyashar**, M. Fire, D. Kagan, and Y. Elovici. *2012 International Conference on Social Informatics (SocialInformatics)*, Lausanne, Switzerland, December 2012, 7-12.
3. **Facebook Applications Installation and Removal-Temporal Analysis.** D. Kagan, M. Fire, **A. Elyashar**, and Y. Elovici. *The Third International Conference on Social Eco-Informatics (SOTICS)*, November 2013, Lisbon, Portugal.

4. **Friend or Foe? Fake Profile Identification in Online Social Networks.** M. Fire, D. Kagan, A. Elyashar, and Y. Elovici. *Springer Journal of Social Network Analysis and Mining (SNAM)*, 2014, vol. 4, 1-23.
5. **Homing Socialbots: Intrusion on a Specific Organizations Employee Using Socialbots.** A. Elyashar, M. Fire, D. Kagan, and Y. Elovici. In: *Proceedings of the 2013 IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining (ASONAM)*, Niagara Falls, Ontario, Canada, August 2013, 1358-1365.
6. **Guided Socialbots: Infiltrating the Social Networks of Specific Organizations' Employees.** A. Elyashar, M. Fire, D. Kagan, and Y. Elovici. *AI Communications*, vol. 29, no. 1, IOS Press, 2014, 87-106.
7. **Creation and Management of Social Network Honeypots for Detecting Targeted Cyber Attacks.** A. Paradise, A. Shabtai, R. Puzis, A. Elyashar, Y. Elovici, M. Roshandel, and C. Peylo. *IEEE Transactions on Computational Social Systems*, vol. 4, no. 3, 65-79, 2017.
8. **Measurement of Online Discussion Authenticity Within Online Social Media.** A. Elyashar, J. Bendahan, and R. Puzis. In: *Proceedings of the 2016 IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining (ASONAM)*, Sydney, Australia, 627-629.
9. **Is the News Deceptive? Fake News Detection Using Topic Authenticity.** A. Elyashar, J. Bendahan, and R. Puzis. *The Seventh International Conference on Social Eco-Informatics (SOTICS)*, Athens, Greece, October, 2017.
10. **Detecting Clickbait in Online Social Media: You Won't Believe How We Did It.** A. Elyashar, J. Bendahan, and R. Puzis. Clickbait Challenge 2017, Weimar, Germany.
11. **Iterative Keyword Optimization.** A. Elyashar, M. Reuben, and R. Puzis. *SBP-BRiMS 2019: 2019 International Conference on Social Computing Behavioral-Cultural Modeling & Prediction and Behavior Representation in Modeling and Simulation*, Washington DC, USA.
12. **The Chameleon Attack: Manipulating Content Display in Online Social Media.** A. Elyashar, S. Uziel, A. Paradise, and R. Puzis. *WWW2020*, Taipei, Taiwan, 2020.
13. **How Does That Name Sound? Name Representation Learning Using Accent-Specific Speech Generation.** A. Elyashar, R. Puzis, and M. Fire. *Knowledge-Based Systems Journal*, 2021
14. **Learning Routing Centrality.** Liav Bachar, Aviad Elyashar, and Rami Puzis. *Complex Networks 2021, November 30 - December 2, 2021 Madrid, Spain*.

6.2. Other publications/reports

1. **The Security of Organizations and Individuals in Online Social Networks.** *M. Sc. Thesis*. Advised by Prof. Yuval Elovici, and Michael Fire, Ben-Gurion University of the Negev, Beer Sheva, Israel.

7. Courses taught

Information Retrieval.

Databases.

Computer and Network Security.

8. Editorial roles

NA.

9. Positions in conferences

- Panelist in the Panel on HEALTH & SOCIAL NETWORKS: Health Information in Social Networks: Harvesting the Useful Data during SOTICS 2017 conference (9/10/2017).

10. Membership in professional/scientific societies

NA.

11. Additional activities

- Fake News and Beyond Panel in Tel-Aviv University on 14-15.5.2018
- Fostering Democratic Resilience in the Digital Age: Tech Solutions vs. Tech Regulations on 26/11/2019
- Lecturing in the Annual International Cyber Security and Machine Learning International Academic and Professional Program 2019