

# Eden Saig

Computer Science Department, Technion, Haifa, Israel

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## Education

- **Ph.D. in Computer Science** (2022 – present)  
Technion – Israel Institute of Technology, Haifa, Israel  
Thesis title: Machine Learning in the Presence of People – Dynamics and Incentives  
Advisor: Dr. Nir Rosenfeld  
Cumulative GPA: 98.7/100
- **M.Sc. in Computer Science, Cum Laude** (2018)  
Technion – Israel Institute of Technology, Haifa, Israel  
Thesis title: Modeling Collaborative Discovery  
Advisor: Prof. Eli Ben-Sasson  
GPA: 93.4/100  
Thesis grade: 95/100
- **B.Sc. in Computer Science, Summa Cum Laude** (2015)  
**B.Sc. in Physics, Summa Cum Laude** (2015)  
Technion – Israel Institute of Technology, Haifa, Israel  
GPA: 94.1/100

## Fellowships and Awards

- Ph.D. scholarship for outstanding doctoral students in data science, Israel Council for Higher Education (2022 – 2025)
- Outstanding research poster award, Computer Science Department, Technion (2024)
- NeurIPS spotlight paper (2023)
- Excellence scholarship for graduate students, Computer Science Department, Technion (2015, 2024)
- Amdocs award for outstanding undergraduate computer science projects, Technion (2015)
- President’s list and prize scholarships, Technion (2013 – 2015)
- LAPIDIM program – undergraduate fellowship for outstanding computer science students, Computer Science Department, Technion (2011 – 2015)
- Dean’s list and prize scholarships, Technion (2011 – 2015)

## Professional Experience

- **Research Scientist**, Facebook (2017 – 2022)  
Core Data Science group  
Tel Aviv, Israel
- **Summer Intern**, Facebook (2016)  
Tel Aviv, Israel
- **Summer Research Assistant**, Cornell-Tech (2015)  
Supervisors: Prof. Mor Naaman and Prof. Ari Juels  
New York, NY, United States

- **Research Assistant**, Technion (2013 – 2015)  
Supervisors: Prof. Eli Ben-Sasson (Technion) and Dr. Ayelet Ben-Sasson (University of Haifa)  
Haifa, Israel

## Seminar Talks

- “Delegated Classification” (Invited)  
Technion, Daniel Soudry’s group meeting, 2024.
- “Delegated Classification” (Invited)  
Hebrew University of Jerusalem, EconCS seminar (2024)
- “Delegated Classification” (Invited)  
Harvard University, EconCS seminar (2024)
- “Delegated Classification”  
UC Berkeley (2024)
- “Learning to Suggest Breaks: Sustainable Optimization of Long-Term User Engagement” (Invited)  
Technion, Computational Data Science seminar (2023)
- “Learning to Suggest Breaks: Sustainable Optimization of Long-Term User Engagement” (Invited)  
Technion, Sarah Keren’s group meeting (2022)
- “Collaborative Discovery: A study of Guru-follower Dynamics” (Invited)  
Technion, Theoretical Computer Science seminar (2017)

## Community Service

- **NeurIPS**: Program committee (2022, 2023, 2024)
- **ICML**: Program committee (2023, 2024)
- **ICLR**: Program committee (2024, 2025)
- **STOC**: Reviewer (2025)
- **AAAI**: Program committee (2025)
- **AISTATS**: Program committee (2025)
- **Workshop program committee**: TSRML (in conjunction with ICML 2022), BehavioralML (in conjunction with NeurIPS 2024)

## Teaching

### Teaching Assistant:

- Advanced topics in Machine Learning and Human Behavior (Graduate)  
Computer Science Department, Technion (2021–2024 - In charge)
- Workshop in Competitive Programming (Undergraduate)  
Computer Science Department, Technion (2015, 2016–2017 - In charge, 2023, 2024 - In charge)
- Numerical Analysis (Undergraduate)  
Computer Science Department, Technion (2016)
- ICPC Competitive Programming Team Coach  
Computer Science Department, Technion (2015–2017, 2023–2025)

## Outreach

- Outreach talks to high-school STEM students and visitors to the department, Computer Science Department, Technion (2022–2024)
- My undergraduate project “Sentiment Classification of Texts in Social Networks” has received attention in international media, featured in the front page of major technology news outlets, and received significant coverage in Israeli media (2015)

## Publications

### Conference papers:

1. Eden Saig, Ohad Einav, and Inbal Talgam-Cohen. Incentivizing quality text generation via statistical contracts. *arXiv preprint arXiv:2406.11118*, 2024  
(NeurIPS 2024 Poster. Acceptance rate: 25.8%)
2. Eden Saig, Inbal Talgam-Cohen, and Nir Rosenfeld. Delegated classification. In *Advances in Neural Information Processing Systems*, volume 36, pages 13200–13236, 2023  
(NeurIPS 2023 Spotlight – top 3%)
3. Eden Saig and Nir Rosenfeld. Learning to suggest breaks: sustainable optimization of long-term user engagement. In *International Conference on Machine Learning*, pages 29671–29696. PMLR, 2023  
(Acceptance rate: 27.9%)
4. Ayelet Ben-Sasson, Eli Ben-Sasson, Kayla Jacobs, Elisheva Rotman Argaman, and Eden Saig. Evaluating expert curation in a baby milestone tracking app. In *Proceedings of the 2019 CHI Conference on Human Factors in Computing Systems*, pages 1–12, 2019  
(Acceptance rate: 23.8%. Oral presentation)
5. Eli Ben-Sasson and Eden Saig. The complexity of user retention. In *10th Innovations in Theoretical Computer Science Conference (ITCS 2019)*. Schloss Dagstuhl-Leibniz-Zentrum fuer Informatik, 2018b  
(Alphabetical order. Acceptance rate: 32.7%)
6. Eli Ben-Sasson and Eden Saig. Brief announcement: Towards an abstract model of user retention dynamics. In *45th International Colloquium on Automata, Languages, and Programming (ICALP 2018)*. Schloss Dagstuhl-Leibniz-Zentrum fuer Informatik, 2018a  
(Alphabetical order. Acceptance rate: 28.3%)
7. Ayelet Ben-Sasson, Eli Ben-Sasson, Kayla Jacobs, and Eden Saig. Baby croinc: an online, crowd-based, expert-curated system for monitoring child development. In *Proceedings of the 11th EAI International Conference on Pervasive Computing Technologies for Healthcare*, pages 110–119, 2017  
(Acceptance rate: 47%)

### Master’s thesis:

- Eden Saig and Eli Ben-Sasson. Modeling collaborative discovery. Master’s thesis, Computer Science Department, Technion, 2018