

Elad Kinsbruner

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Education

Technion - Israel Institute of Technology, Haifa, Israel

Ph.D., Computer Science, 2024-current

Supervisors: Shachar Itzhaky, Hila Peleg

Research topic: Analysis-guided Software Engineering

Direct track (started as M.S.c. student in 2022)

GPA: 94.8

Technion - Israel Institute of Technology, Haifa, Israel

B.Sc. cum laude, Software Engineering, 2020-2023

GPA: 92.9

Dean's list: Winter 2020-2021, Spring 2021, Winter 2021-2022, Spring 2022

President's list: Winter 2022-2023, Spring 2023

Academic Service

Organizer

Oregon Programming Languages Summer School 2023 Participant Talks workshop

Artifact Evaluation Committee Member

TACAS'24, ECOOP'24

Publications

Refereed Conference Papers

1. Elad Kinsbruner, Shachar Itzhaky, and Hila Peleg. Constrictor: Immutability as a Design Concept. In 38th European Conference on Object-Oriented Programming (ECOOP 2024). Leibniz International Proceedings in Informatics (LIPIcs), Volume 313, pp. 22:1-22:29. <https://doi.org/10.4230/LIPIcs.ECOOP.2024.22>.

Associated artifact: Elad Kinsbruner, Shachar Itzhaky, and Hila Peleg. Constrictor: Immutability as a Design Concept (Artifact). In Special Issue of the 38th European Conference on Object-Oriented Programming (ECOOP 2024). Dagstuhl Artifacts Series (DARTS), Volume 10, Issue 2, pp. 9:1-9:4. <https://doi.org/10.4230/DARTS.10.2.9>. **Distinguished Artifact Award**.

Under Submission

2. Elad Kinsbruner, Hila Peleg, Shachar Itzhaky. 2024. Kotlin's Type System is (Also) Unsound. *Under submission*.

Teaching Experience

Reverse Engineering	Technion, Spring 2023
Teaching Assistant in Charge	
Programming Languages	Open University of Israel, Summer 2022
Instructor	
Introduction to Systems Programming	Technion, Spring 2022-Spring 2023
Teaching Assistant (Spring 2022)	
Teaching Assistant in Charge (Winter 2022-2023, Spring 2023)	

Work Experience

Israel National Cyber Directorate , Tel Aviv, Israel	2023
Technological Project Leader	
Part of mandatory military service, temporary assignment due to 2023 Israel-Gaza war	
Spearheaded the integration efforts of a cyber monitoring system for civilian infrastructure	
Undergraduate Researcher , Technion, Haifa, Israel	2022
Supervisors: Matan Peled, Shachar Itzhaky	
Developed static analyses over control-flow graphs within the Graal ecosystem	

Invited Talks

Tel Aviv University SIGPLAN seminar : Constrictor: Immutability as a Design Concept	2024-08-28
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Awards

Computer Science Department Award for Excellence in Research	2024
ECOOP Distinguished Artifact	2024

Summer School Participation

Oregon Programming Languages Summer School , Eugene, OR, USA	2023
Summer School Marktoberdorf , Herrsching, Germany	2024