Shai Guendelman

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Summary

Algorithms engineer and researcher with a passion for tackling hard problems and constantly learning. Skilled in combining hands-on experience with a deep understanding of concepts, and excellent communication and teamwork abilities. Completed MSc in Computer Science and seeking opportunities in algorithms engineering/research or software engineering. Interested in AI, ML, engineering, mathematics, and learning science.

Experience

Summer Research Internship, IBM
Aug. 2022 - Nov. 2022

As a member of a team tasked with developing a static analysis tool for Kubernetes, I implemented and tested advanced data structures to enhance the tool's scalability and efficiency. Through this experience, I gained valuable insights into software development and honed my teamwork and research skills.

Teaching Assistant, Technion
Oct. 2020 - Sep. 2022

Assisted in teaching the courses "Theory of Compilation" and "Introduction to Set and Automata Theory" as well as mentored students on software engineering projects. Through this experience, I developed my communication skills and gained a deeper understanding of fundamental computer science concepts. Additionally, I refined my software development skills through working with students on their projects.

Research Intern, Cornell Tech
Aug. 2019 - Oct. 2019

Participated in research on human-computer interactions in the context of voice agents. Developed a cloud-based web application for running an online experiment and collecting data, gaining experience in web development, cloud computing, and research methodologies.

Education

MSc, Computer Science, Technion
Oct. 2020 - Oct. 2022
GPA: 95

Supervised by Shaull Almagor, conducting research in formal verification and algorithmic game theory. Our work “Concurrent Games with Multiple Topologies” (link) was presented at the 33rd International Conference on Concurrency Theory (CONCUR 2022).

BSc, Computer Sceince, Technion
Oct. 2017 - Oct. 2020
GPA: 96.4

Graduated Summa Cum Laude and a member of the Lapidim Excellence Program (https://lapidim.cs.technion.ac.il/). Completed projects on semantic segmentation for autonomous drone landing and motion capture from a single camera. Coursework in Machine Learning, Computer Graphics, and Cyber Security

Skills

- Software engineering with experience in Python and C++
- Machine learning, computer vision, and natural language processing
- Fast and independent learner
- Experienced in project management and executing research projects
- Excellent communication skills in English, both oral and written