

# ERAN KATSAV

## LECTURER & MOBILE PROJECTS COORDINATOR



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[Eran Katsav](#)



[Kfar Warburg, Israel](#)

### SUMMARY

- Experienced lecturer, mobile developer, and clinical innovation lab director with extensive hands-on work in digital health and real-world collaborations with leading medical centers.
- Skilled in Android development, sensor-based systems, cognitive assessments, and building scalable mobile platforms for healthcare environments.
- Proven leadership in academia, including managing a medical-technology lab, mentoring student teams, and driving multidisciplinary projects from concept to clinical deployment.
- Passionate about creating impactful, user-centered digital health solutions that enhance communication, improve patient outcomes, and bridge the gap between technology and clinical practice.

### EXPERIENCE

#### Lecturer | Holon Institute of technology (HIT)

2017 – Present

- Designed and delivered four advanced elective courses annually, focusing on practical mobile development skills.
- Developed syllabi, structured course materials, and coordinated approvals with academic curriculum committees.
- Guided students in creating full-stack mobile applications using Java and Kotlin, emphasizing real-world development standards.
- Collaborated with program heads and curriculum leaders to align course content with departmental goals and industry best practices.

#### Founder & Director | MAIA – Mobile AI Applications Lab | Holon Institute of technology (HIT)

2019 – Present

- Established and directed a medical mobile innovation lab focused on enhancing digital communication between clinicians and patients.
- Led approximately 15 clinical digital-health projects in collaboration with multiple hospitals, including:
  - Development of cognitive assessment tools for Beit Rivka and Herzfeld.
  - A Parkinson's monitoring system for the Neurology Department at Beilinson.
  - Modules for the Pain Clinic at Soroka, the ambulatory clinic at Sheba, and the psychology and anesthesia departments at Ichilov.
- Designed and built a generic application platform enabling clinics to configure and deploy customized medical apps from a single unified system.
- Managed student development teams, overseeing workflows, prioritization, feature specifications, QA processes, and deployment cycles.

#### External Lecturer | Reichman University

2022 – Present

- Developed and delivered the Kotlin-based Android development course for both the International School and the School of Computer Science.
- Designed a hands-on curriculum centered around a full market-level mobile application project.
- Produced structured instructional materials tailored to diverse and international student audiences.

#### Founder & Industry Instructor | SYNTAX College

2013 – Present

- **Delivered mobile development and system courses** for Motorola™, Samsung™, General Motors™, and government organizations.
- **Providing consulting services** in Android, iOS, Java, Kotlin, Swift, and Objective-C across both academic and industry settings.
- **Developed mobile applications** with more than **one million total downloads**, including Bip It (800K+ users) and automotive integration solutions deployed in Suzuki™ vehicles.

## Computer Science Track Lead | Tzafit High School

2013 – Present

- Established and managed the Computer Science and Software Engineering track at Tzafit High School.
- Built the program from the ground up, including curriculum development and preparation for 5-unit final projects.
- Supervised student capstone projects and provided pedagogical guidance throughout the program.
- Trained and supported teachers involved in the computer science track.

## EDUCATION

### M.A. in Literature (with Distinction) | Tel Aviv University (2006–2010)

Completed a research thesis on the poet Shaul Tchernichovsky under the supervision of Prof. Dan Laor. Awarded multiple academic scholarships. The thesis was selected for publication in Haaretz. Graduated with honors.

### Teaching Certificate in Mathematics | Hebrew University of Jerusalem (2003–2005)

Completed a formal teaching certification program with emphasis on mathematical pedagogy, instructional methodology, and curriculum design.

### B.Sc. in Computer Science | Hebrew University of Jerusalem (2000–2003)

Combined studies in computer science with an extended track in Hebrew literature. Coursework included algorithms, software engineering, data structures, system programming, and theoretical computation. Graduated with a final average of 85. Strong academic performance accompanied by a psychometric score of 728.

## MILITARY SERVICE | Artillery Corps

Developed instructional control-and-command training materials. Received Excellence Award from the Chief Artillery Officer.

## SKILLS

- **Programming & Frameworks:** Kotlin, Java, Swift, Objective-C, JavaScript, HTML5/CSS3, Android & iOS SDK, REST APIs.
- **Mobile & Digital Health Development:** Android/iOS apps, sensor integration, cognitive tests, clinical questionnaires, etc.
- **Project & Lab Leadership:** Managing digital-health projects with hospitals, workflow planning, QA and Development oversight.
- **Teaching & Academic Work:** Syllabus design, mentoring student teams, coordination with academic committees.
- **Consulting & Industry Experience:** Technical training, digital-health consulting for medical centers and government bodies.
- **Tools & Technologies:** Firebase, Git, Retrofit, Room DB, AWS (EC2/S3), SDK integrations, Play Store/App Store release.
- **Soft Skills:** Team leadership, collaboration, mentoring, problem-solving, time management.

## LANGUAGES

Hebrew: Native | English: Fluent