

# Avi Levy - Software Developer & Final Year B.Sc. Student

## Contact

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-  Beit Shemesh

## Tools & Tech

### Programming Languages:

C, C++, Python, Assembly, JavaScript, Java

### Software Development Tools and Environments:

Git, Visual Studio, JetBrains-workspaces.

### Office Productivity Software:

Microsoft Office Suite

## Military Service

### Technological Civilian Service

Israel Police, Department of Forensic Science, fingerprint lab (2022-Present)

## Volunteering

### Actively involved in the "Perach" initiative.

Committed to providing academic and social mentorship to school-age students (2020-2021).

## Languages

- **Hebrew:** Native
- **Spanish:** Excellent
- **English:** Mostly reading

## Summary

- Ambitious final year B.Sc. student in Computer Science at Hadassah Academic College with demonstrated software development skills at Israel Police Forensic Department, specializing in image processing, fingerprint analysis, and data management.
- Proficient in C, C++, Python, JavaScript.
- **Independent learner** able to adapt to dynamic environments.
- Collaborative team player with motivation for technology problem-solving.
- Seeking a professional environment to apply skills and grow professionally.

## Professional Experience

### Software Developer, Forensic Department, Israel Police (2022-Present)

- Utilize image processing techniques and contribute to fingerprint processing and data management initiatives to support forensic investigations.
- Collaborate within multidisciplinary teams to devise and implement innovative technological solutions to address challenges effectively.
- Implemented technologies to innovate and streamline processes.
- One of the desktop apps I created was recently implemented for all Forensic Investigators at Israel Police.
- Received excellence award and promoted to the next rank.
- Featured in [N12](#) article for significant contributions.
- **Technologies:** Python for image processing, Access for database management.
- **Starting a Special Project:** Identifying fingerprint quality using deep learning and AI. TensorFlow for image processing, data analysis using Matplotlib.

### Teacher, Madrid, Spain (2019-2021)

- delivered lectures to community members in the local language.

## Education

### B.Sc. in Computer Science, Hadassah Academic College, Jerusalem (2021-Present)

- **Relevant Courses:** Algorithms, Operating Systems, OOP and Game Development, Discrete Mathematics, Linear Algebra, Web Programming.
- **Projects:** Games: 'Pacman', '6 colors', 'War in the Sky' game - advanced C++.

### Pre-Academic Preparatory School, Hadassah Academic College (2021)

- Mathematics, programming and English.