

Eyal Alon

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27 Ein Gedi St., Hadera, 38328, Israel

SUMMARY

Highly self motivated, adaptable and determined individual, sociable personality, strong interpersonal skills, multi cultural experience, and a drive to learn and succeed. Seeking a challenging position where I can contribute by utilizing my programming and engineering skills, as well as get exposed to new challenges.

WORK EXPERIENCE

- **One7T1, Hardware and Software Engineer** **2016-2017**

Development of a multimedia musical-visual instrument with built-in interactive lighting system. Lead the specification efforts, design and debug of the complete product. Demo video can be found at: <https://youtu.be/904Pp1q3OKI>

- **Course Instructor, Wedea, COLMAN** **2016-2017**

Music Technology course instructor at College of Management in Rishon Leziyon, specializing in embedded systems. Link to description can be found at: <https://www.colman.ac.il/MusicTech>

EDUCATION

- **Experis Kickstart** **2017-2018**

6-month intensive programming course including: C, C++, data structures and algorithms, low level, multi-threading, multi-cores, synchronization for real-time/embedded systems, operating systems, inter-process communication, networking, TCP/IP, OOD, STL, generic programming.

- **MSc in Electronic Engineering, University of York, England** **2014-2016**

Thesis title: "Analysis and Synthesis of the Handpan Sound". Lab instructor in the Electronics Department for the following modules: Acoustics and psychoacoustics, audio computing and core skills, interfaces for audio interaction, recording studio techniques, electronic musical interfacing, audio iOS programming.

- **BEng in Electronic Engineering, University of York, England** **2009-2013**

Graduated with honors. Final project involved development of the electronic handpan, using piezoelectric, capacitive sensors and an Arduino development board.

- **Summer Research Student, SIPL, Technion** **Summer 2011**

Produced a MATLAB implementation of musical pitch prediction from component frequency ratios.

LANGUAGES

Hebrew (Native) and English (Native).

MILITARY

National service in the IDF as a sergeant in the artillery corps.

PUBLICATION

"Analysis and Resynthesis of the Handpan Sound", Sound and Music Computing Conference (SMC-2015), 30/07/2015, Maynooth, Ireland