



c/o German-Israeli Chamber of Industry & Commerce (AHK Israel), Sharbat House, 9th Floor, 4 Kaufmann St., IL-68012 Tel-Aviv  
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## Placement Opportunity

Undergraduate (BA) student:

Graduate (MA) student:

Reference:	BETATEC-Convexum - 03
Company Name:	Convexum
Company Type: (Startup/Mature/...)	Startup
Location: (full address)	13 Schocket Street, Tel Aviv
Stay Duration: (min 2, max 6 months)	4-6 months

### Company Description:

Convexum develops a pioneering solution for protecting perimeters from drone intrusions using cyber means. We are working with world leading companies from the banking, sports and oil industry (mostly in the US).

The solution is composed of HW sensors placed on the perimeter fence with a central server connected to them, and a live dashboard with actionable alerts.

The team contains German speaking members.

### Job Description and Tasks: Signal Processing expert

We are looking for a graduate student to join the development team to work on core technologies. This is an exciting position as you work on:

- Get to fly drones as part of work for testing purposes!
- Signal Processing blind estimation
- Modulation/Demodulation of signals
- HW implementation of realtime signal processing algorithms
- Hours of work are Sunday to Thursday 9-18 (the Israeli week)

### Essential Requirements:

- Fluent level of written and spoken English
- BS in Electrical engineering or equivalent. MS/Ph.D. Student
- Fast learner
- Knowledge of advanced modulations - OFDM, DSSS, FHSS
- Experience in modem design and implementation
- Research abilities in Matlab
- C/C++/Python coding skills - Advantage
- Familiarity with Hardware - DSP/FPGA - Advantage
- Good communication skills

### Remuneration Details:

Lunch and transportation expenses of the intern will be covered. The intern will take part in all of the company's social activities (Happy hours, parties, outdoor fun activities)