SAP Labs Israel is looking for a GPGPU developer (student)

General Description
- HANA Co-Innovation LAB Israel (CoIL^2) is responsible for the technology evaluations and integrations of 3rd party advanced SW and HW components into the SAP HANA, the industry leading in-memory database, platform stack. CoIL^2 team is working closely with HANA R&D teams worldwide and 3rd party technology providers as well
- This is a unique opportunity for a qualified and experienced student to combine academic studies with a cutting edge research position in the industry

Job Description
- Develop and implement parallel algorithms for acceleration on GPGPU platforms
- Work on optimizations for NVidia Kepler, Intel Xeon Phi, and other GPGPU platforms
- Develop tools for profiling and performance analysis
- Learn the SAP HANA platform internals and architecture

Job Requirements
- Experience with:
  - Software development for GPGPU platforms ( e.g. OpenCL/CUDA/OpenACC/OpenMP )
  - C/C++
  - Scripting ( like bash, python )
- Experience with the following topics is an advantage
  - Linux OS Internals
  - Predictive analytics/ machine learning algorithms
  - Big Data analytics
  - Database technology

Education and Qualifications
- An (under)-graduate student in a CS/EE
- Good Linux Knowledge
- Flexible, self-motivated and able to work independently in a fast paced and multi-cultural organization
- Excellent verbal and written communication skills, with a strong command of the English language
- Good interpersonal skills
- Strong analytical skills
- Self-confident and able to take initiative in problem solving independently

Contact
Erez Sobol: e.sobol@sap.com