Software Engineer Internship- TRex Project - Netanya

**Start Date:** flexible – 20-24 h/week  
**Internship location** Netanya

**Why You’ll Love Cisco**

We connect everything: people, processes, data, and things. We innovate everywhere, taking bold risks to shape the technologies that give us smart cities, connected cars, and handheld hospitals. And we do it in style with unique personalities who aren’t afraid to change the way the world works, lives, plays and learns. We are thought leaders, tech geeks, pop culture aficionados, and we even have a few purple haired rock stars. We celebrate the creativity and diversity that fuels our innovation. We are dreamers and we are doers. #We Are Cisco

**Team description:**
Cisco delivers technology and products for connecting people, places and things, from unified collaboration through data, voice and video to sensor networks, big data, communications carriers and cloud computing.

The Application Visibility and Control (AVC) is a strategic, innovative and a center of excellence group located in the Israel/Netanya site that is leading widely deployed, SDN solution across Cisco Enterprise portfolio that drives up platforms value.

Within the AVC group, a small team is responsible for the cutting edge, state of the art TRex traffic generator project [https://trex-tgn.cisco.com/](https://trex-tgn.cisco.com/)

TRex is an open source project built over DPDK and widely used both in Cisco and in many external companies.

Cisco Israel Netanya is looking for a brilliant/honored computer engineering (or similar) student for part time software development of the future TRex capabilities as well as support of the open source community.

**What You’ll Do:**
- Develop and extend advanced control and DPDK data plane features in an extreme scaled and multi-threaded environment
- Get highly familiar with networking and how networking equipment is tested
- Get familiar with open-source development techniques while incorporating internal work-processes
- Develop C++ & Python Software features and Test automation
- Support of the TRex Users & developers community

**Qualifications:**
- Currently pursuing a university degree in Computer Science or Software Engineering
- Autodidact with extreme passion for new technologies and design concepts
- Very good verbal and written communication skills (English)
- Highly motivated to deliver premium product with no compromises
- SW development skills in C/C++ and Python
- Background in standard networking theories, concepts, and protocols (L2-L7)
- Available for at least 2 days a week

The following would also be advantageous:
- Previous software development working experience
- Pursuing a Master's degree or similar

About Cisco:

The Internet of things is a phenomenon driving new opportunities for Cisco and it's transforming our customers’ businesses worldwide. We are pioneers and have been since the early days of connectivity. Today, we are building teams that are expanding our technology solutions in the mobile, cloud, security, IT, and big data spaces, including software and consulting services. As Cisco delivers the network that powers the Internet, we are connecting the unconnected. Imagine creating unprecedented disruption. Collaborate with like-minded innovators in a fun and flexible culture that has earned Cisco global recognition as a Great Place To Work. With roughly 10 billion connected things in the world now and over 50 billion estimated in the future, your career has exponential possibilities at Cisco.

Are you ready to change the World?

Make your mark on the businesses of the future and apply now at [jobs.cisco.com](https://jobs.cisco.com).