



## Invitation to 2018 Summer Internship Program of IIT X NTHU X ITRI

National Tsing Hua University is now recruiting participants for Summer Internship Program at [Industrial Technology Research Institute](#) (ITRI).

### Program Introduction

ITRI is Taiwan's largest institute for applied technology R&D which has played a key role in the development and success of Taiwan's high-tech industries.

This internship program aims to provide students who are now studying in Indian Institute of Technology (IIT) with a great opportunity to participate in research conducted jointly by NTHU and ITRI.

Under this program, students will align their academic knowledge with ITRI's applied research programs and thus gain invaluable insight into the local high-tech industry.

### The Program Provides

- **Free accommodation**
- **Full-time paid internship at ITRI**  
(around USD 1,000 per month, which varies depending on the applicant's experience)
- **Airfare reimbursement** with requirement of working at least 10 full weeks in ITRI  
(economy class ticket, reimburse actual ticket cost with receipt up to a maximum of USD 1,200)

**NOTE: Details of offer will be confirmed while applicants are selected.**

### Online Application

We invite each partner university to nominate a maximum of 7 students best suited for this program by March 2nd, 2018.

After receiving the list of nominees, a link will be sent to each nominee to submit documents to finish the application by March 9th, 2018.

Once all applications are received, the review process will get started. The result will be provided by the end of March 2018.

### Required documents

- Transcript from the previous academic year in English
- Resume/CV
- Personal statement(300-400 words/reason for applying)
- Two recommendation letters



**Eligibility Applicants must meet all of the following criteria**

- Students who are studying in IITs.
- Every applicant MUST have student status during the entire period of the internship. The ones already graduated, or will graduate before the end date of internship, are not eligible for internship in Taiwan.
- Study Focus Areas including at least one of following

**2018 Summer Internship Positions**

<u><b>Information and Communications Research Laboratories (ICL)</b></u>		
<b>Unit / Department / Title</b>	<b>Job Description</b>	<b>Qualifications</b>
ICL_Open Stack Intern <b>(F1)</b>	OpenStack 1. Container based and microservice based deployment and orchestration study 2. Nova compute Load Balancing	1. Linux cgroups/ namespace, OpenStack, and Python language; Operating System scheduling, algorithm 2. Junior/Senior undergraduate student or Master's degree student 3. Majoring in Computer Science
ICL_Open Stack / LBaaS and FWaaS Intern <b>(F2)</b>	OpenStack 1. LBaaS and FWaaS Cluster 2. SNAT/DNAT in IOD	1. Linux, Cluster, Network, OpenStack, Python language 2. Junior/Senior undergraduate student or Master's degree student 3. Majoring in Computer Science / Electrical Engineering
ICL_Linux System Software Development Intern <b>(F3)</b>	Using Linux system software development as a basis to develop one or more of the following projects: Virtualization-based Fault Tolerance Virtualized smartphone Virtual Mobile Infrastructure APP Streaming Cyber Security.	1. With Linux or Android system software development experience 2. Junior/Senior undergraduate student or Master's degree/Doctoral student The key background knowledge includes: KVM/QEMU Hypervisor, Container, Android Framework, and Open source Penetration Testing Tools.



Unit / Department / Title	Job Description	Qualifications
ICL_Software Testing Intern (F4)	We are searching for software testing intern to be responsible for cloud system integration testing and developing automation test scripts on Linux platform.	<ol style="list-style-type: none"><li>1. Major in computer science or a related field, or significant equivalent experience</li><li>2. Passion for testing and product quality as an engineering discipline</li><li>3. Familiar with Linux is a must</li><li>4. Experience with programming or script languages, such as C/C++, Java, Python or Shell.</li><li>5. Knowledge on software testing is requirement</li><li>6. Interest in computer technology and a quick learner.</li><li>7. Knowledge and/or experience on some or all of the following is a plus: Cloud Solutions such as OpenStack, CI/CD process or test automation, agile development process, networking/storage, front-end programming</li></ol>
ICL_Web Developer Intern (F5)	We are searching for web developers to be responsible for designing, coding and modifying web, from layout to function and according to system specifications.	<ol style="list-style-type: none"><li>1. Major in computer science or a related field, or significant equivalent experience</li><li>2. Passion for testing and product quality as an engineering discipline</li><li>3. Familiar with web development, such as Javascript, NodeJS, ReactJS, ExpressJS and HTML5/CSS</li><li>4. Interest in computer technology and a quick learner.</li><li>5. Knowledge and/or experience in one or more of the following areas is a plus: UI/UX or web design, software testing, CI/CD process or DevOps, agile development process, and teamwork experience on software projects.</li></ol>

### Contact Information

- NTHU (For questions about application): Tai-I Lin (tilin@mx.nthu.edu.tw)
- ITRI (For questions about internship): talent@itri.org.tw