Top 5 International Internships at Brown University, Georgia Tech, CERN Openlab and more.

Dec 28, 2015

1. Summer Student Programme, CERN Openlab

Location: Geneva

Application Deadline: February 28, 2016

Financials: A stipend of 90 CHF per day during contractual dates (generally 61 days) is sponsored by CERN and the CERN openlab industrial members and should cover accommodation and living costs during the nine-week stay. Students are covered by the CERN health and accident insurance scheme, and are offered a travel allowance on a lump sum basis.

CERN is the birthplace of the World Wide Web and where the Higgs particle was discovered by two of the major LHC experiments, the ATLAS and CMS collaborations. The laboratory hosts ground-breaking experiments and is at the heart of the Worldwide LHC Computing Grid (WLCG). This is a place like no other where dizzying IT challenges abound.

Click here for more details and apply now!

Eligibility:
Bachelor or Master students having completed (by the summer of attending) at least three years of full-time studies at university level in Computer Science, Engineering, Mathematics or Physics, interested in working on advanced IT projects for two full months (nine weeks) during the period June-September 2016 are welcome to apply.

By joining the CERN openlab Summer Student Programme, you will work with some of the latest hardware and software technologies and see how advanced IT solutions are used in high energy physics. You will have the opportunity to attend a series of lectures developed for the CERN openlab Summer Students, given by IT experts on advanced CERN-related topics. Included in the programme are also visits at the CERN facilities and experiments as well as other research laboratories and companies.

The CERN openlab Summer Student Programme is much more than just a summer at CERN. It can lead to follow-on projects in your home institute. It may even inspire you to become an entrepreneur in cutting-edge computing technologies!

2. The Amgen Scholars Program, University of Tokyo
Location: Kashiwa, Japan
Duration: 8 weeks
Financials: Accommodation will be arranged near the campus. A stipend of 450,000 JPY will be offered to students from colleges in Asia, which should be used freely for transportation fees

including round trip airfares to Japan, budget for food and any personal trips during your stay in Japan and so on.

The objective of the program is to provide undergraduate students from different countries (including some from Japan) who are committed to or who are considering a career in biology or related sciences and looking to continue to graduate studies, with eight weeks of biomedical research experience in the basic and translational sciences.

Click here for more details and apply now.

The program features:

- Visits to Graduate Schools and Institutes related to biomedical research.
- Information sessions on how to apply to Graduate Schools at UTokyo.
- Special seminars and luncheons where students can meet and have discussions.
- Access to UTokyo campus facilities such as the Library, Health Care Center and Gymnasium.
- Japanese culture seminars and language classes.
- Excursions.

Eligibility:
UTokyo Amgen Scholars Program applicants must:

- Be undergraduate students enrolled in colleges or universities worldwide (including Japan) that award a bachelor's degree (or its equivalent).
- Be undergraduate students enrolled in four-year colleges or universities who are sophomores in their second year (with four quarters or three semesters of college experience), juniors in their third year, or non-graduating seniors in their fourth year (who are returning in the fall to continue their undergraduate studies) *
- Have a strong record of academic performance.
- Have a high level of English proficiency: as demonstrated by a minimum TOEFL (iBT) score of 79, IELTS overall band score of 6.0, if not a native English speaker or if English is not your first language.
- Have an interest in pursuing a Ph.D.

Cold Spring Harbor Laboratory

3. The Undergraduate Research Program, Cold Spring Harbor Laboratory

Location: New York

Duration: 10 weeks (Tuesday, June 2 – Saturday, August 8, 2015)

Stipend: A stipend of $5,000 will be paid for the 10-week period. All room and board expenses will be covered.Travel costs are not reimbursed.

The Undergraduate Research Program (URP) at CSHL provides an opportunity for undergraduate scientists from around the world to conduct first-rate research. Students learn the scientific process, technical methods and theoretical principles, and communicate their discoveries to other scientists. Approximately 20 students come to CSHL each summer for the 10-week program, living and working in the exciting Laboratory environment.

About the Internship:
In addition to doing research in the lab, URP participants attend a series of specially designed workshops, seminars and collegial events. Workshops focus on learning particular skills, such as Python Programming, while seminars cover research topics, responsible conduct of research, and career development. At the URP Symposium at the end of each summer, students present their research to the entire CSHL community.

URP participants live and work among CSHL scientists. They are invited to all Laboratory social activities – including two exclusive dinners, one with CSHL President Bruce Stillman and one with Chancelor emeritus and Nobel Prize winner James Watson. On weekends, students are free to explore nearby New York City or the sandy beaches of Long Island.

For more details and to apply, visit **Cold Spring Harbor Laboratory Undergraduate Research Program 's Website** and you can apply **here online**.

The last date to apply online this year is **January 15, 2016**.

Eligibility:
• Students of any nationality are eligible for the program.
• Students should have a strong academic background in a science. Although the Program emphasizes the biological sciences, students with Engineering, chemistry, Computer Science, math, or physics backgrounds are also encouraged to apply.
• Students must be returning to an undergraduate degree program following their URP summer research experience; current sophomores and juniors, or the equivalent, are eligible. Only in exceptional cases will first-year undergraduate students, with prior independent research experience, be considered.
• Previous laboratory research experience will help your application but is not required.
• If your academic semester conflicts with the dates of the URP program, you are still eligible to apply. If you are accepted into the Program, we will discuss how your academic schedule can be accommodated. For instance, in past years, some students have arranged with their professors at their home university to take one or more final exam at CSHL. But please note that all URP researchers are expected to participate in the program as a single group and should therefore plan to be at CSHL from June 13 to August 13.

4. Computing Research Undergraduate Intern Summer Experience(CRUISE), Georgia Tech.
Location: Georgia Institute of Technology, United States.

Duration: 10 weeks in summer 2016.
Stipend: Students admitted to the program will be offered a stipend for the summer that will cover the student's housing and local expenses (food, transportation, etc.)

You should apply by December 31, 2015 for full consideration in participating in the Summer 2016 CRUISE program.

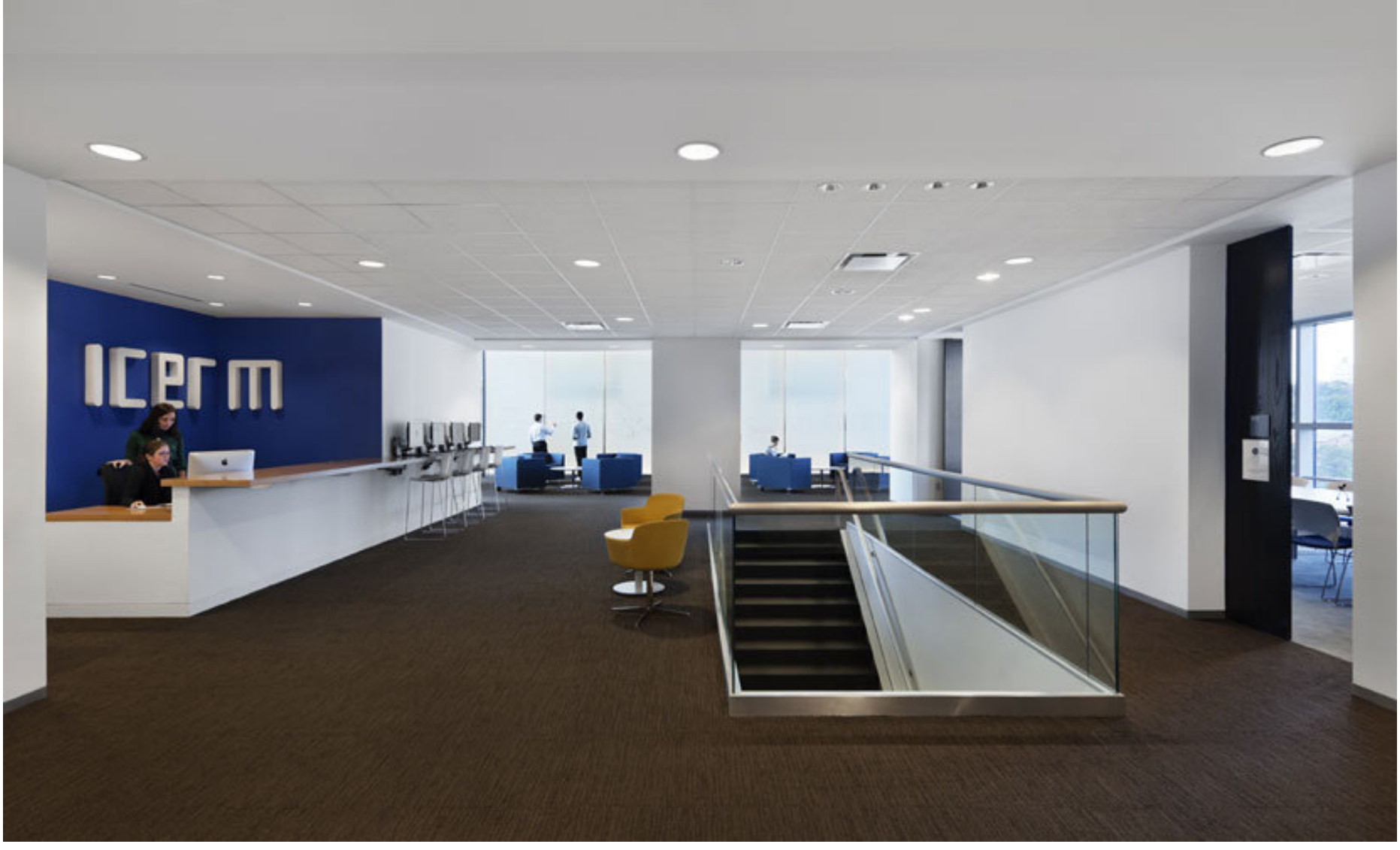
Click here for more details and apply now.

Eligibility: All students enrolled in an undergraduate degree program in Computer Science or computing, Engineering, or a physical science considering doctoral studies in computational science and Engineering are encouraged to apply. Though intended primarily for undergraduates, students enrolled in masters degree programs may also apply. Students enrolled in other programs will be considered on a case-by-case basis.

Both US and international students are encouraged to apply. You are advised to review faculty web sites to see the range of ongoing research projects in computational science and Engineering at Georgia Tech.

Responsibilities:
In addition to working on specific research projects, Georgia Tech CRUISE also includes a number of social events to get to know other CRUISE students as well as students, faculty, and staff involved in the Computational Science and Engineering graduate programs at Georgia Tech. Seminars will be offered to introduce students to topics of general interest such as what is it like to be a PhD student and how best to prepare a graduate school application, in addition to technical topics. At the end of the summer a CRUISE symposium is held where students will give presentations about their research conducted during the summer in a format not unlike that used in conferences and symposiums.

More about CRUISE:
Computing Research Undergraduate Intern Summer Experience (Georgia Tech CRUISE) is a program offered at Georgia Tech to encourage students to consider doctoral studies in Computational Science and Engineering. Though intended primarily for undergraduates, students enrolled in masters degree programs may also apply. Each summer the CRUISE program hosts student interns who work with faculty in on-going research projects in Computational Science and Engineering at Georgia Tech.



5. The ICERM's Undergraduate Summer Program, Brown University

Location: Providence, Rhode Island (United States).

Duration: 8 weeks (June 15 – August 7, 2015)

Stipend: $3,000 stipend + Travel support within US + Dormitory housing + Meal plan.

The Application deadline will be February 13, 2016. Applications submitted after February 15, 2016 but by March 1, 2016 may still be considered in a second round of acceptances.

Click here for more details and apply now.

Eligibility: Applicants must not yet have graduated with an undergraduate degree at the time of the program start. Funding is available for a limited number of students who are not US citizens or permanent residents.

The Institute for Computational and Experimental Research in Mathematics (ICERM), founded in 2011, is a research institute in mathematics at Brown University, funded beginning in 2010 by a grant from the National Science Foundation.

The ICERM's Undergraduate Summer Program is designed for a select group of 14-16 undergraduate scholars. Students work in groups of two or three, supervised by faculty advisors and aided by teaching assistants. The faculty advisors present a number of interesting research topics that are centered around deep mathematical structures hidden in the everyday objects. The areas where the problems lie are dynamical systems and low-dimensional topology, but the origins of the problems themselves are mundane: how to find a gap in a fence? How complicated

should be your finger movements to tie a knot? why standing waves develop in crowds? To crack the problems will require both ingenuity and computer experiments. Students form research groups to work on these problems, give talks about their findings, and write up their research into a paper at the end of the program.

Comments

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