# CVC TALENT INTERNSHIPS 2024

## 1. Description

With the aim of promoting science and innovation and to encourage research in highly talented young students, the Computer Vision Center hosts the **CVC Talent Program of Internships**. It is addressed to undergraduate students. The CVC offers these students an opportunity to work in a research environment that will constitute their first exposure to a research challenge, with the aim to eventually accompany them towards their PhD studies.

Undergraduate students worldwide with excellent academic records are invited to apply for an internship award at the CVC. The interns will be guided by CVC researchers and will learn how to collaborate in a research project designed to acquire skills in the latest trends in computer vision and artificial intelligence. Complementary mentoring activities will be provided to allow students to broaden their education and research training according to their interests.

## 2. Requirements

### 2.1. Eligibility

The program is addressed to students from university degrees related to Artificial Intelligence, Data Engineering, Computer Science, Physics, Computational Mathematics and Data Analytics. As a general rule, we expect applicants to fulfill the following requirements:

- To be currently enrolled in an undergraduate university program.
- Proficiency in written and spoken English.
- Programming skills including Python and Deep Learning frameworks (Pytorch, Tensor Flow…).
- Additional skills will be also required for each specific project.

Selection of interns is based on merit and potential, measured in terms of academic records and personal achievements. Proactive and soft-skills attitudes, like participation in community activities and capacity for team-work, are also considered.

Because of funding regulations, this program is mostly oriented to EU citizens, however outstanding applicants from other nationalities will also be considered.

## 2.2. Conditions and types of the awards

The CVC Talent Program offers in this Call two different type of prizes:

- 12 x "**Rosa Sensat**" Student Fellowship Awards, for students **in the middle years of their undergraduate studies** (having passed more than 100 ECTS of the study) or, exceptionally, for bachelor (Spanish Baccalaureate) students before admission to university:

  > Selected candidates will receive a gross award of 1,600 euros for a 3-month stage. It is expected a 20-hour-week dedication, or 240 hours in total. Working timetable schedule will be negotiated at the beginning of the stage) [1].

- 8 x "**Elena Maseras**" Research Fellowships, for students **in the last year of their undergraduate studies** (must be enrolled to do his/her Bachelor's Degree Final Project):

  > These awards are offered for a period of 6 months with a 20-hour-week dedication, or 480 hours. Selected candidates will receive a gross stipend of 3,600 euros. Working timetable schedule will be negotiated at the beginning of the stage.

The CVC will not cover additional expenses such as visa applications for non-EU citizens, insurance, etc. Also, **participation in the CVC Talent Program does not imply any contractual relationship between the beneficiary and the CVC**. If the student, for any reason, voluntarily withdraws or interrupts the program, any unduly received payments must be returned.

## 2.3. What can someone expect as a CVC intern and beyond?

The interns will learn about the research culture in an international and diverse environment with more than 100 researchers from over more than 20 different countries. They will be trained in the current state of the art methodologies related to computer vision at large, and will be provided with high performance computing facilities. The students will participate in regular complementary activities (reading groups, seminars, etc.). Due to the industrial ties of the CVC, interns will also learn about technology transfer and innovation. Interns will discover ongoing projects of the corresponding research line and the center's outreach initiatives. Specifically, the following tasks and duties are expected for each type of award:

1) "**Rosa Sensat**" Student Fellowship Awards:

  > As students in their middle years (2nd and 3rd) of their undergraduate studies, this award offers a first contact with a research center, its personnel and its activities. So, the "Rosa Sensat" awards constitute the entry gateway to a research ecosystem.

  > Selected candidates will participate in small, very well-defined technological viability studies or research projects, in order to discover, understand, use and evaluate different generic, most-used computer vision and artificial intelligence techniques.

---

[1] In accordance to Spanish Tax Law, all these prizes will be taxable according to the candidate's place of residence. In order to know what percentage has to be applied, the selected candidate will have to submit a TRC (Tax Residency Certificate). If the certificate is not submitted, the maximum tax will be applied. In the case that the place of residence of the candidate is outside Spain, and Spain has a bilateral agreement with his/her country, it is the candidate's responsibility to inform his/her country's tax agency of the prize.

2) "**Elena Maseras**" Research Fellowships:

> As students in the last year of their undergraduate studies, these prizes are intended to let the student achieve an advanced level of understanding of the state-of-the-art techniques in a specific topic in computer vision and artificial intelligence. The work done might constitute the Bachelor's Degree Final Project.

> Selected candidates are expected to participate in a challenging project, proposed by either a research group, a company, or a public administration. As a result, the student will use the scientific method to identify weaknesses, alternatives, and opportunities for potentially improving the results.

For all the awards, the following activities will be required during the stage (included in the working hours, up to a 5% of the total hours):

- to attend to at least one research seminar organized at CVC.
- to participate in at least one outreach action aimed to bring research closer to citizens.
- to give a public presentation of the research work done (template can be downloaded from here).
- to submit a 2-pages report briefly explaining the work done (template can be downloaded from here).

Lastly, at the request of the student and tutor, at the end of each internship period the CVC will explore, provided the proper availability of resources, a career progression track to guide the student through a Master degree and towards the PhD studies, or as research engineer developing Knowledge and Technology Transfer activities. Thus, these awards will allow the intern to make new connections that very well might provide professional references for their future career.

## 3. Application process

All applications shall be submitted exclusively online via http://www.cvc.uab.es/internship/. Required application material shall be uploaded to the application form and must be complete in order to be considered.

The deadline to apply is November 5th 2023. During November, the reviewing committee will evaluate all the applications and shortlisted candidates will be interviewed. Admitted candidates will be informed by the beginning of December 2023.

Internships can start as of January 2024, and they should end by July 2024.

To apply for an internship, suitable candidates are requested to prepare and submit the following document package:

- The candidate's updated Curriculum Vitae in PDF format.
- Tentative dates of the stay, and preferred working hours (morning, afternoon).
- A presentation, motivation letter describing the candidate's background, topics or areas of interest at CVC, and future career plans. The areas of interest of the CVC can be found here: http://www.cvc.uab.es/research-lines/

- It is encouraged a letter of support from a CVC researcher (with date, name and contact details). This will allow candidates to get to know the work that the CVC researcher does. If agreed by both parties, the CVC researcher can be his/her tutor during the internship. The list of tutors can be found in this web: http://www.cvc.uab.es/team/ (filter by "**Staff Scientist**")
- A scanned copy of his/her academic transcripts (from previous and current studies, as far as available), in English, Spanish or Catalan, together with the average academic score.

## 4.  More information

For more information, please address your comments to: internships@cvc.uab.es