

CVC TALENT INTERNSHIPS 2024 (2nd Semester)

1. Description

Launch your research career at the Computer Vision Center through our **CVC Talent Internship Program**. Designed specifically for undergraduate, master's, PhD students, and postdoctoral researchers, this program offers a dynamic platform to engage with ground-breaking projects in computer vision, machine learning, and artificial intelligence. By joining us, you will not only tackle exciting research challenges but also gain first-hand experience in a vibrant research and innovation ecosystem.

The **CVC Talent Internship Program** is particularly valuable for undergraduate students, providing them with their initial exposure to real-world research and a pathway to advanced studies. During the internship, you will collaborate closely with leading CVC researchers, benefiting from personalized mentoring tailored to enhance your educational and professional trajectory.

2. Requirements

2.1. Eligibility

Eligibility for the CVC Talent Internship Program is open to students and recent graduates (for postdocs, their doctoral defence date should be within 8 years before the deadline call) from degrees related to Artificial Intelligence, Data Engineering, Computer Science, Physics, Computational Mathematics, and Data Analytics. Applicants must meet the following criteria to be considered:

- **Enrolment Status:** Must be currently enrolled in or be a recent graduate of an undergraduate, master's, or PhD program.
- **Language Skills:** Must demonstrate proficiency in both written and spoken English.
- **Technical Skills:** Required to have strong programming skills in Python, including experience with frameworks such as PyTorch and TensorFlow. Specific projects may require additional technical skills.
- **Soft Skills and Merit:** We value proactive individuals with a record of academic excellence, personal achievements, and the ability to work effectively in teams. Participation in community activities and demonstrated leadership are highly regarded.
- **Geographical Considerations:** Primarily for EU citizens or holders of a EU residence permit due to funding regulations. However, exceptional candidates from non-EU countries are encouraged to apply and will be considered based on their merits.

2.2. Conditions and types of the awards

Embrace the opportunity to excel with the **CVC Talent Internship Program's** diverse awards¹ designed for different academic stages:

- **"Rosa Sensat"** Student Fellowships: **Undergraduate students, particularly those in their 3rd year** (or exceptional 2nd-year students), can start their research journey with a €1,600 award for a 240-hour internship. Typically, this would be a 3-month commitment with a 20-hour weekly engagement, customizable to fit both student and mentor schedules.
- **"Elena Maseras"** Research Fellowships: **Final-year undergraduates** aiming to deepen their research expertise can benefit from a €3,600 award for a 480-hour internship. As a reference, this is a 6-month placement with a 20-hour weekly focus, thus ensuring in-depth involvement in a research project; but the scheduling will be flexible to be discussed with your mentor.
- **"Maria Capdevila"** Research and Innovation Fellowships: **Master's students** can elevate their research potential with a €4,500 award for 360-hour internship. As a reference, this is a plan for a 3-month period with a 30-hour weekly dedication, but there is the possibility to align your project's timeline with your academic mentor, based on your research goals.
- **"Teresa Mañé"** Short-Term Research Stays: **PhD students** can broaden their research experience with a €5,000 award for a 360-hour research stay. Typically, this constitutes a 3-month stage, but the scheduling will be flexible to better enhance your doctoral work.
- **"Josepa Massanés"** Short-Term Scientific Missions: **Postdocs** (having received their PhD within 8 years before the call deadline) can immerse themselves in our research culture with a €5,000 award for a 3-month research stage, or a €10,000 award for a 6-months research stage. As a reference, a commitment of 30-hour weekly research engagement is expected, to propel postdoctoral studies by improving research collaborations. The length of the scientific mission will be agreed between the postdoc and your academic mentor.

Please note that **online participation is not available** for these awards, and all research activities are to be conducted on-site, fostering a collaborative and immersive experience. Successful candidates will negotiate their research schedule with their assigned CVC mentor at the start of the internship to ensure a mutually beneficial arrangement.

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

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.

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

As a CVC intern, expect to immerse yourself in a multicultural research hub bustling with over 100 experts from more than 20 countries, where innovation is the norm. You will contribute to state-of-the-art computer vision projects using our advanced computing infrastructure. Beyond research, you will delve into activities that will shape you as a researcher—seminars, reading groups, and initiatives that bridge technology with real-world applications.

The following opportunities will be tailored to your current academic stage:

- **"Rosa Sensat" Student Fellowships:** Embark on your research path by engaging in concise projects that allow you to grasp and assess core computer vision and AI techniques. This initial step into the research ecosystem is ideal for students in the middle of their undergraduate career.

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.

- **"Elena Maseras" Research Fellowships:** Tackle a significant project that can contribute to or complement your Bachelor's Degree Final Project. You will delve into complex computer vision and AI challenges, enhancing your proficiency in these cutting-edge fields.

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.

- **"Maria Capdevila" Research and Innovation Fellowships:** Solve intricate problems, taking into account the full spectrum of ethical, economical, and legal considerations. Your work may evolve into your Master's Dissertation or form the basis for conference submissions.

Depending on the student interests and Master, selected candidates can choose to do the research internship in (1) a research group, (2) a company or organisation in industry, or (3) a public administration. Irrespective of the type of project, the student will always need a co-supervisor who is a CVC staff member.

- **"Teresa Mañé" Short-Term Research Stays for PhD students:** Enjoy a rich exchange of ideas and practices, expanding your research capabilities and academic network. This opportunity provides a springboard for career advancement and postdoctoral exploration.

Selected candidates are expected to spend either 3 months at CVC if their supervisor is not affiliated with CVC, or 3 months abroad if their supervisor is a CVC member. In any case, these stages constitute a transformative experience for enhancing research quality, expanding networks, and cultivating personal and professional development together with CVC.



- **"Josepa Massanés" Short-Term Scientific Missions for Postdocs:** Immerse yourself in a different environment for innovation and collaboration. Visiting periods allow postdocs to expand their research repertoire and establish connections for joint publications and projects.

Selected candidates are expected to spend either 3 or 6 months at CVC for immersion in the CVC academic culture and exposure to the diverse methodologies of our research groups, enhancing their research perspective. CVC postdoc members are also eligible to spend a 3- or 6-months stage abroad. In any case, these missions allow postdocs to extend their professional networks through collaborations with a wider range of academics and peers, leading to potential joint collaborations and long-term opportunities.

Regardless of the award type, you are encouraged to actively participate in the CVC's scholarly community and outreach. These engagements include attending seminars, contributing to societal outreach, presenting your research findings, and documenting your work in a concise report. Specifically, for all the awards, **the following outreach activities will be required during the stage** (up to a 5% of the total hours of the stage):

- 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. CVC will contact you offering different alternatives and dates for participation.
- 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](#)).

At the culmination of the internship, we'll work with you and your mentor to outline the next steps in your academic or professional journey, whether that's moving towards a PhD, embarking on a career as a research engineer in Knowledge and Technology Transfer, or preparing a competitive call for a senior postdoc position. This tailored career guidance could open doors for future opportunities and serve as a cornerstone for professional endorsements-



3. Application process

Embark on your CVC internship journey by applying through our streamlined online process. **Applications are open until June 10th, 2024**, exclusively at <https://www.cvc.uab.es/internship>. Ensure that your application is complete, with all materials uploaded to the form, to be considered for an exciting summer of research and innovation.

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

- **CV Submission:** Upload your most recent CV in PDF format, showcasing your academic and professional experiences.
- **Internship Timeline:** Indicate your preferred internship dates and whether you'd prefer to work mornings or afternoons.
- **Motivation Letter:** Craft a compelling motivation letter, explaining your academic background, your passion for the research areas at CVC relevant to you, and your aspirations for the future. Explore CVC's research areas here: <http://www.cvc.uab.es/research-lines/>
- **Letter of Support (Optional):** While not mandatory, a letter of support from a CVC staff scientist can bolster your application. This interaction can also establish a potential mentor for your internship. Find potential mentors in this web: <http://www.cvc.uab.es/team/> (filter by "Staff Scientist") and at <https://www.cvc.uab.es/internship>
- **Academic Records:** Provide scanned copies of your academic transcripts in English, Spanish, or Catalan, detailing your academic journey and achievements.

Post-application, our review committee will diligently evaluate each application. Shortlisted candidates will be invited for an interview in June, if necessary. Successful candidates will be notified by early July, with internships commencing from July to no later than December 2024.

4. More information

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

