

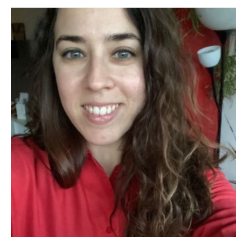
# Google Explore CSR LATAM Undergraduate Research Program

[https://latinresearchprogram.  
github.io/GoogleExploreCSR/](https://latinresearchprogram.github.io/GoogleExploreCSR/)



## Organizers

- (PI) Estefanía Talavera, University of Twente, Netherlands  
(Co-PI) Gilberto Ochoa-Ruiz, Tecnológico de Monterrey, Mexico  
(Co-PI) Nils Murrugarra-Llerena, Weber State University, USA



# Mission – LATAM Undergraduate Research Program

Google Explore CSR

HOME

CALL FOR PARTICIPANTS

REGISTER

CONTACT

## LATAM UNDERGRADUATE RESEARCH PROGRAM

The goal of our program is to encourage students at the undergraduate level, especially from underrepresented groups, to pursue Computer Science research and apply to graduate programs. We will recruit undergraduate/master students in computer science and related majors, and invite them to participate in workshops and research projects during the Spring 2024 semester. Our objectives are to increase the self-efficacy of participants, their sense of belonging, their computer science and research skills, and their motivation to pursue computing research.

During this semester, the participants will work on a project defined by the mentor. Several online activities will be offered for both mentors and mentees.



In collaboration with  
LatinX in Computer Vision (LXCV) Research Workshop

**Google Explore CSR**  
**LATAM Undergraduate Research Program**

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Google Research LXAI UNIVERSITY OF TWENTE Tecnológico de Monterrey WEBER STATE UNIVERSITY

<https://latinresearchprogram.github.io/GoogleExploreCSR/>

## IN COLLABORATION WITH LATINX IN AI PROGRAM

Global community of LatinX in AI Professionals. Visit their [website](#).



# Context – LatinX in Artificial Intelligence

LatinX in AI (LXAI) bridges communities, academics, industry, and politicians working to further AI innovation and resources for LatinX individuals globally.



Silicon  
Valley  
SF, CA

We drive and support research, development, infrastructure, and mentoring programs to boost innovation and capabilities of LatinX professionals working in Artificial Intelligence, Machine Learning, and Data Science.

VOLUNTEER LED

SUPPORT EDUCATION &  
RESEARCH INITIATIVES

MENTORING  
PLATFORM

NURTURE A CONTINUING  
RELATIONSHIP WITH  
ACADEMIA, INDUSTRY, &  
GOVERNMENTS

INCREASE REPRESENTATION  
AT GLOBAL CONFERENCES


JOB OPENINGS  
NETWORK

FURTHER CAREER  
DEVELOPMENT

BIAS AWARENESS



# **LXAI Conference Grant Fund**



**To date, our organization has awarded over 930 conference travel and registration grants to members of our community!**

## Impact Results from CVPR 2022



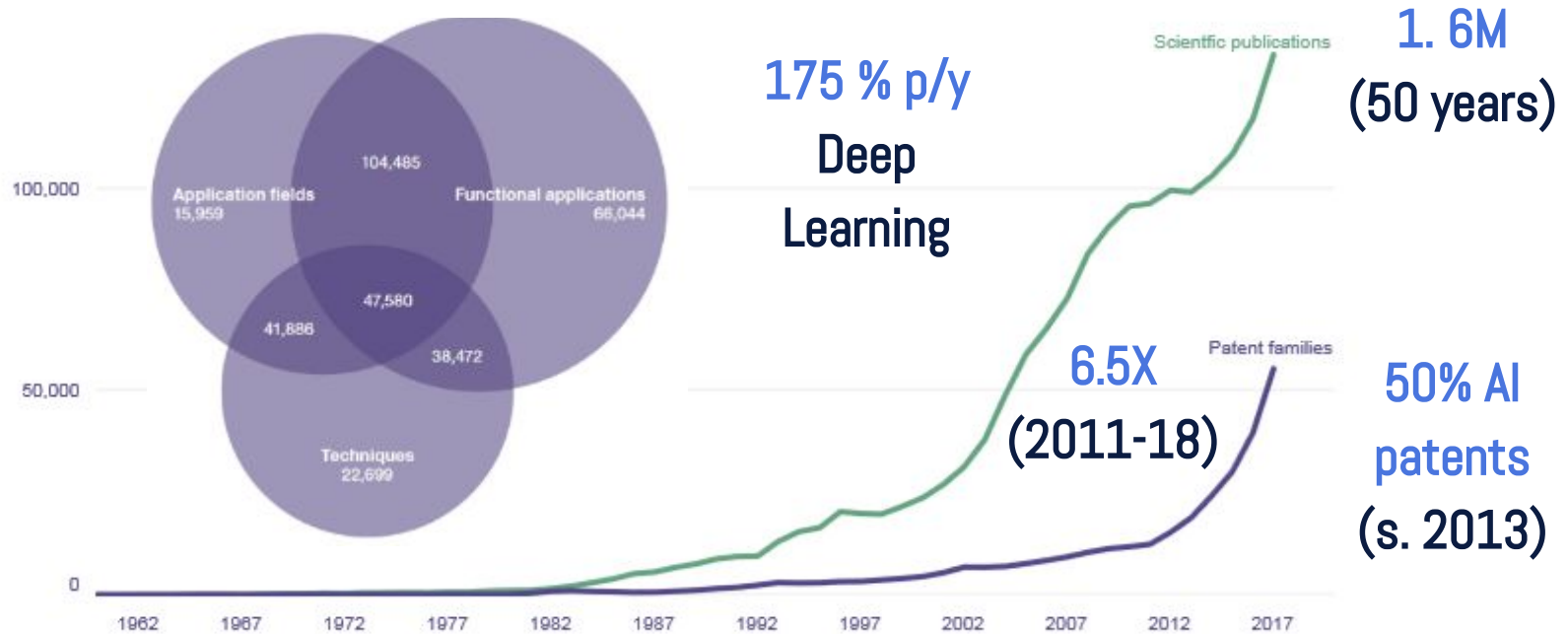
And yet despite these good results, we still can do so much more...

# Motivation – Building capacities in computer vision in LATAM I

As the WIPO study shows, most AI R&D is focused on applications

It is Worrisome that is concentrated by few corporations /countries

Patents and Scientific Publications related to Artificial Intelligence in the last 30 years

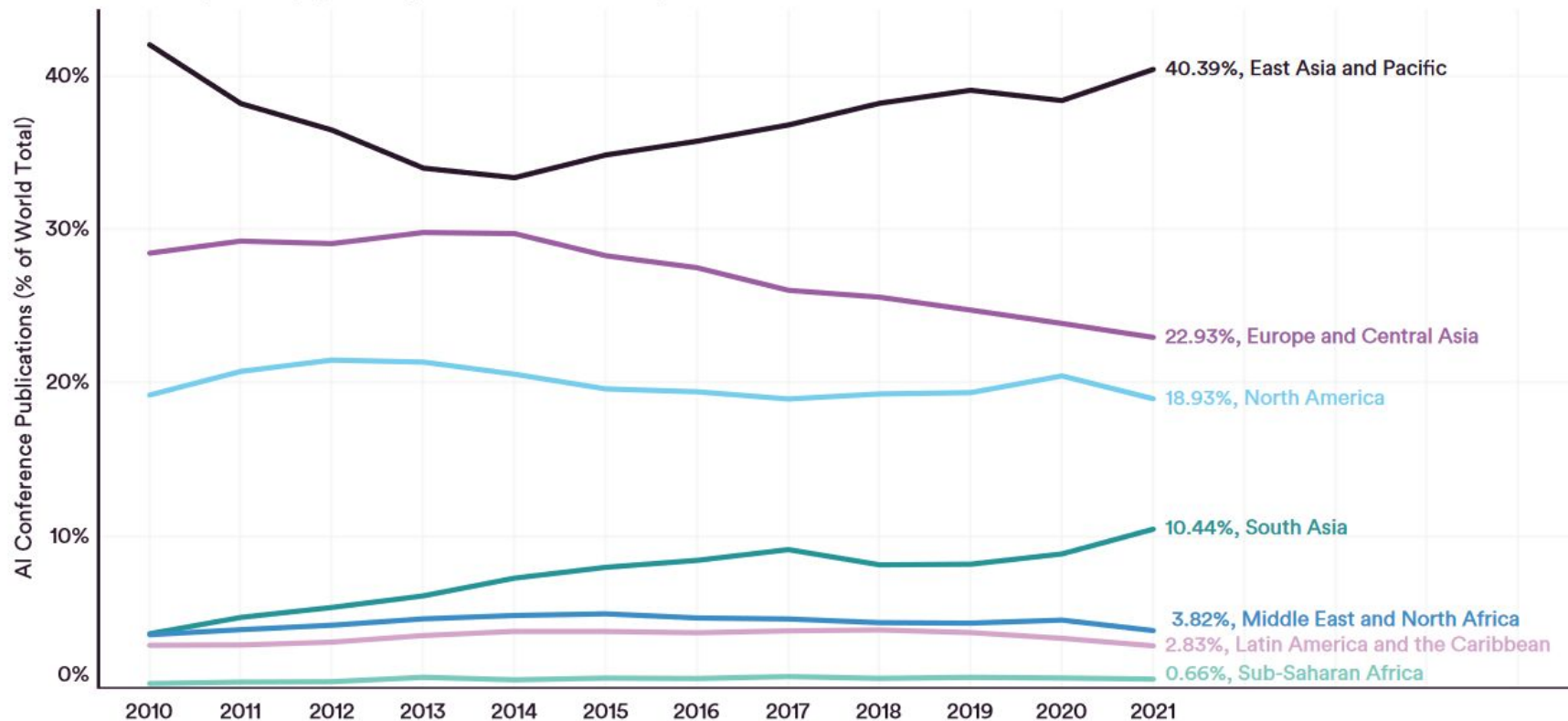


# Motivation – Building capacities in computer vision in LATAM II

Latin American countries have lagged developed nations.

LATAM only produces 2.83% of journal and 1.3% of conference papers

Peer Reviewed Publications (% total) by region, last 20 years





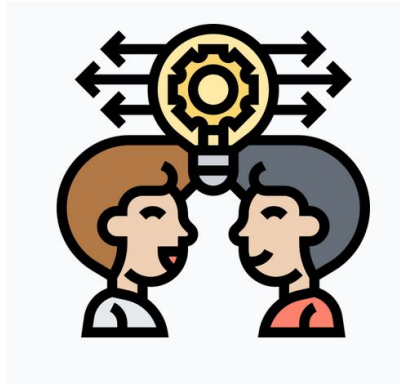
# Motivation – Origins and development of our proposal

How does this proposal fit among other endeavors?

Latin Community



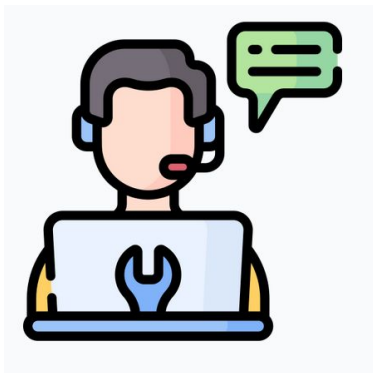
Mentoring Programs



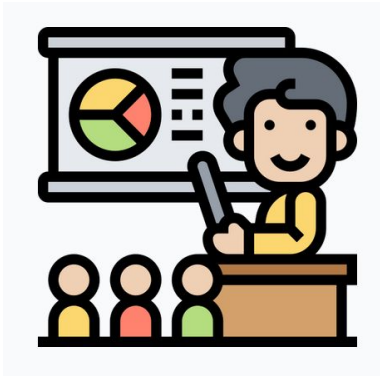
Infrastructure



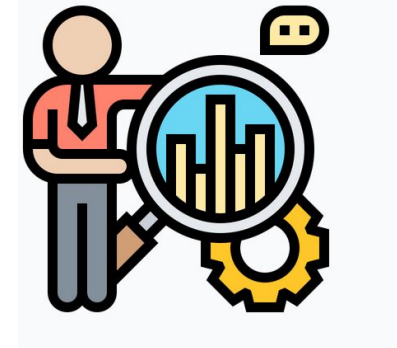
Mentoring Support



Seminars & Tutorials



High-impact projects

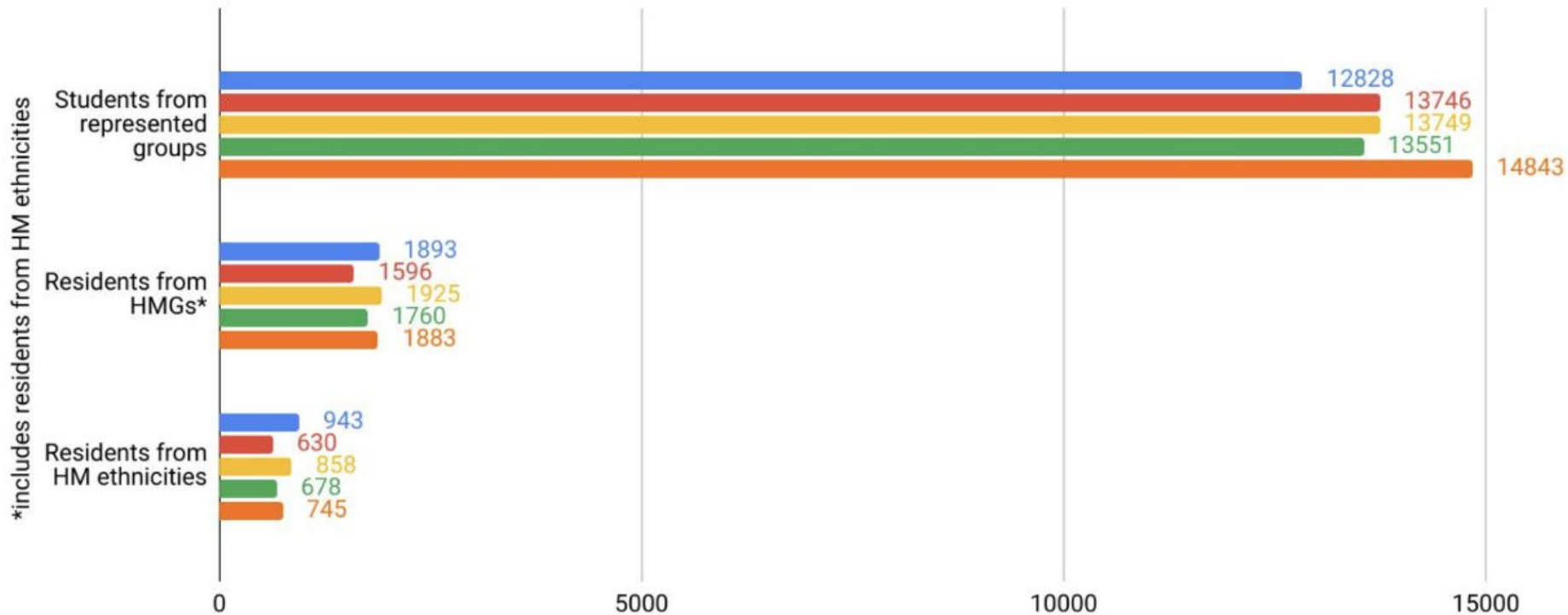


# Motivation – Origins and development of our proposal

Low PhD enrollments from Historically Marginalized Groups (HMG).

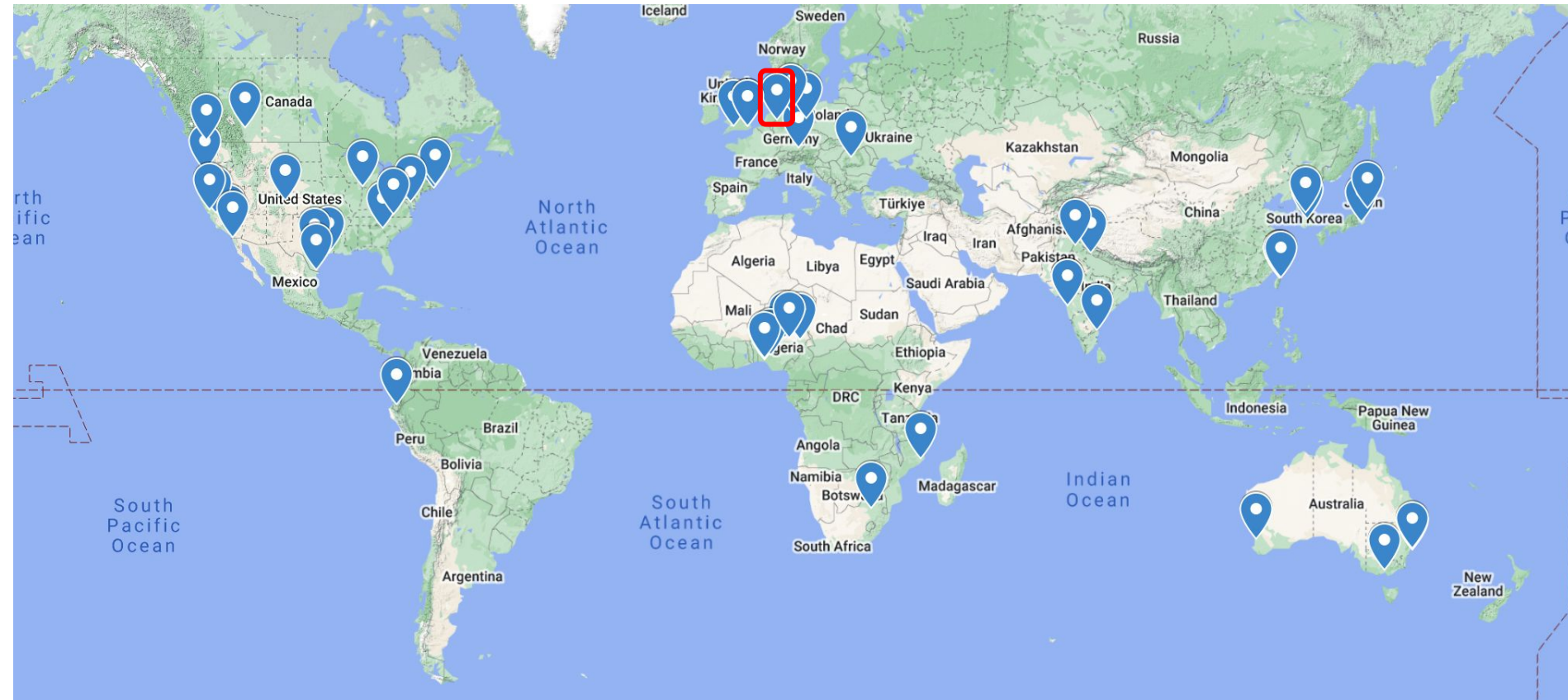
## PhD Enrollments (US/CA)

2018 2019 2020 2021 2022



# Motivation – Origins and development of our proposal

51 institutions (globally) leading the way to engage 9,800+ students in computing research



# The program – How does it work?



Mentors



Mentees



Application  
Process



Selected  
Mentors



Selected  
Mentees



Online Research  
Internship



Competitive grants  
to CVPR  
conference and  
ML/DL/CV  
summer schools



2 onsite research  
internship

Travel grant  
and additional  
monthly  
stipend for 3  
months

\$150 monthly  
stipend for 6  
months



# The program– Selection Process?



## Mentors Rubric

- [Relevance of proposed research]
- [Strengthening human resources]
- [Top quality publications]
- [Diversity]
- [Previous participation]
- [Latam human resources]



## Mentees Rubric

- [Academic Merit]
- [Motivation letter]
- [Honors and Awards]
- [Language]
- [Diversity]

# Application Process – Mentors

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## **Eligibility**

- At least, a mentor should have a PhD in Computer Science or related areas.
- Projects can have at most two mentors.
- At least a mentor should be LatinX.

## **Expectations and time commitment**

- Attend a two-hour mentor training program early January 2024.
- After the kickoff meeting, meet your mentees weekly duration of the program (6 months or more). We suggest one hour weekly meetings.
- Attend an online research symposium at the end of the program, at which students will present their projects, and celebrate their accomplishments.



more at <https://latinresearchprogram.github.io/GoogleExploreCSR/about/>

## Application procedure

- Publications
- 1 page Research Proposal
- Google Form



## Benefits

- Skill Enhancement
- Legacy, Impact and Personal Satisfaction
- Fresh Perspectives
- Increased Productivity
- Publication Opportunities
- **Google Explore CSR benefits**
  - \$100 Research Stipend.
  - Access to Online Training Workshops



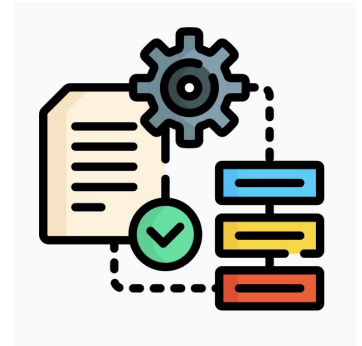
## Eligibility

- Interns should be of LatinX origin.
- Interns should be in their last year of undergrad, or in a Master program.



## Application procedure

- CV
- Motivation letter
- Google Form





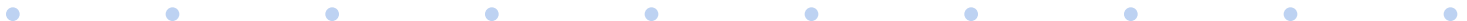
## Benefits

- Skill Development
- Publication Opportunities
- Career Advice
- References
- Professional Identity
- Increased Confidence, Personal and Emotional Support
- **Google Explore CSR benefits**
  - Research Stipend: \$150 per month, for six months
  - \$100 Learning Stipend
  - Competitive grants to attend **CVPR** or **CV-related** conference.
  - Competitive grants to attend **ML/CV/DL summer schools**
  - Access to Online Training Workshops



### How to submit a successful application?

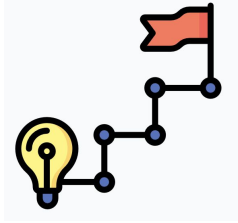
- **Complete CV** [[link](#)] [[Example\\_resume](#)] [[Example\\_CV](#)]
  - end-of-course projects, honors and awards (e.g. programming contest, research fair, undergrad ranking, exchange studies), volunteer, academic events.
- **Strong Motivation letter**
  - Your task is convince the organizers to accept your application
  - Show effort preparing your application, be enthusiastic/motivated, and transmit these feeling in your writing.
  - Sell your strengths and align them with the program. It does not matter if you have limited experience, **we will value your effort!**



## Tips for Motivation letter

- **Understand the Purpose:** Clearly understand the purpose of the motivation letter. Tailor your letter accordingly.
- **Research the Recipient:** Know your audience. Research the organization, institution, or company to understand their values, goals, and what they are looking for in a candidate.
- **Structure:** Follow a clear and concise structure. Typically, a motivation letter includes an introduction, body paragraphs, and a conclusion.
- **Be Specific:** Provide concrete examples of your achievements, experiences, and skills. Avoid generic statements.
- **Address the Selection Criteria:** If there are specific criteria mentioned in the application, make sure to address each one in your letter.
- **Show Enthusiasm:** Express genuine enthusiasm for the opportunity. Explain why you are interested and how it aligns with your career goals.
- **Professional Tone:** Maintain a professional and formal tone. Avoid using slang or overly casual language.
- **Proofread:** Check for grammatical errors, spelling mistakes, and ensure proper formatting. A well-proofread letter reflects attention to detail.





### Curriculum Vitae: resources

- University of Pittsburgh - Resume Building [[link](#)]
- University of Pittsburgh - Writing a Curriculum Vitae [[link](#)]



### Motivation letter: resources

- How to write a motivation letter [[link](#)]
- Practical guide: how to write an effective motivation letter [[link](#)]
- Essential tips for writing a great motivation letter [[link](#)]



# The Program – Questions

