

Ph.D. Student in Computer Engineering
Santa Clara University

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Posted Jan. 27, 2025, set to expire May 29, 2025

Job Title	Ph.D. Student in Computer Engineering
Department	Computer Science and Engineering
Institution	Santa Clara University Santa Clara, California
Date Posted	Jan. 27, 2025
Application Deadline	June
Position Start Date	Sep. 1, 2025
Job Categories	Graduate Student
Academic Field(s)	Computer Engineering
Apply By Email	
Job Description	

Full-Funded Ph.D. Positions in Deep Learning/Computer Vision (Fall 2025)

Ph.D. positions with full financial support are now available in Dr. Ying Liu's group in the Department of Computer Science and Engineering at Santa Clara University (SCU). Dr. Liu is looking for self-motivated PhD students to work on image/video compression, vision-language model, deep learning. The PhD program has three start dates:

- Fall Quarter starts in September;
- Winter Quarter starts in January;
- Spring Quarter starts in late March.

Dr. Ying Liu is an Associate Professor in the Department of Computer Science and Engineering at

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Santa Clara University. She graduated from the Department of Electrical Engineering, The State University of New York at Buffalo. Her main research interests are in deep learning-based image and video processing and coding, coding for machines, point cloud coding, vision-language models, and generative AI. She is a member of IEEE and a member of SPIE. Her research articles are published in prestigious journals such as the IEEE Transactions on Circuits and Systems for Video Technology (TCSVT), IEEE Transactions on Multimedia (TMM), IEEE Transactions on Consumer Electronics, IEEE Journal on Emerging and Selected Topics in Circuits and Systems (JETCAS), Pattern Recognition (Elsevier), and many flagship conferences. She serves as an Associate Editor for the IEEE Transactions on Circuits and Systems for Video Technology, and she also serves as the technical program committee member of multiple international conferences. She is the Secretary/Treasurer of the Asia-Pacific Signal and Information Processing Association (APSIPA) US Chapter.

Requirements:

- **M.S. degree (or about to graduate) in Computer Science/Engineering, Electrical Engineering, or Automation. The school policy does not accept undergraduate students' applications, sorry.**
- Solid mathematical background and strong programming skills in Python, Matlab and C++.
- Experience in image processing, video coding, deep learning, or computer vision. Experience in deep learning programming such as tensorflow, pytorch, keras.
- GRE score.
- **TOEFL/IELTS/Duolingo scores for international students.**
- Strong motivation in cutting-edge research and paper publication.

If you are interested, please send your CV, undergraduate and graduate transcripts, copies of published papers if any, GRE and English test (TOEFL or IELTS or Duolingo) scores to: Email: yliu15@scu.edu

Website: <http://www.cse.scu.edu/~yliu1/>

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Admission requirements:

<https://www.scu.edu/engineering/graduate/>

PhD Program Description:

<https://www.scu.edu/engineering/academic-programs/department-of-computer-engineering/graduate/phd-in-computer-science-and-engineering/>

University website: <https://www.scu.edu>

Santa Clara University is a private Jesuit university in Santa Clara, California. It is located in the Silicon Valley town of Santa Clara, California, about an hour from San Francisco. Founded in 1851, Santa Clara University is the oldest operating institution of higher learning in California and the west coast of the United States. It is ranked 51st by Forbes and 53rd by US News & World Report among the US national universities.

Contact Information

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

Contact