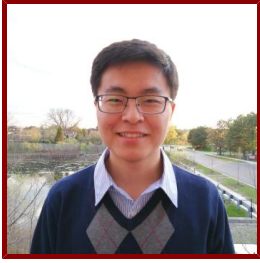


# Stanford

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## Tianyu Lu

- Ph.D. Student in Bioengineering, admitted Autumn 2022
- Masters Student in Bioengineering, admitted Autumn 2023
- 📄 Curriculum Vitae available Online

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### Bio

#### LINKS

- Personal website: <https://tianyu-lu.github.io/>

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### Professional

#### WORK EXPERIENCE

- Junior Machine Learning Scientist - ProteinQure (May 3, 2021 - August 31, 2022)

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### Publications

#### PUBLICATIONS

- **Ensemble-conditioned protein sequence design with Caliby.** *bioRxiv : the preprint server for biology*  
Shuai, R. W., Lu, T., Bhatti, S., Kouba, P., Huang, P. S.  
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- **Conditional Protein Structure Generation with ProtPardelle-1c.** *bioRxiv : the preprint server for biology*  
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- **Assessing generative model coverage of protein structures with SHAPES.** *Cell systems*  
Lu, T., Liu, M., Chen, Y., Kim, J., Huang, P. S.  
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- **Synthetic biology education and pedagogy: a review of evolving practices in a growing discipline** *FRONTIERS IN EDUCATION*  
Menard, J., Diep, P., Sheikh, F., Escobar, A., Dykstra, C. B., Sajtovich, V. A., Ahmadi, A., Bodyreva, E., Boucinha, A., Chandrasekharan, S., Duan, J., Emond, C., Lu, et al  
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- **Sparks of function by de novo protein design.** *Nature biotechnology*  
Chu, A. E., Lu, T., Huang, P. S.  
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- **Geometric Deep Learning for Structure-Based Ligand Design.** *ACS central science*  
Powers, A. S., Yu, H. H., Suriana, P., Koodli, R. V., Lu, T., Paggi, J. M., Dror, R. O.  
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- **ELASPIC2 (EL2): Combining Contextualized Language Models and Graph Neural Networks to Predict Effects of Mutations** *JOURNAL OF MOLECULAR BIOLOGY*  
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