

# YAODA ZHOU

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## EDUCATION

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**The University of Hong Kong**, Hong Kong, China *Sept. 2018 - Present*  
Ph.D in Computer Science  
Member of Programming Language Group  
Research fields: Type systems, Formal verification  
Supervisor: Dr. Bruno C. d. S. Oliveira

**Shanghai Jiao Tong University**, Shanghai, China *Sept. 2013 - Jun. 2017*  
B.S in Computer Science  
ACM Honored Class, Zhiyuan College  
Thesis Advisor: Prof. Bao-Liang Lu  
Overall GPA: 85.3/100

**Cornell University**, Ithaca, New York, the U.S. *Jul. 2016 - Jan. 2017*  
Exchange student in Department of Biological Statistics and Computational Biology  
Member of Yu Lab, Weill Institute for Cell and Molecular Biology  
Supervisor: Prof. Haiyuan Yu

## PUBLICATIONS

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### Revisiting Iso-Recursive Subtyping.

Yaoda Zhou, Bruno C. d. S. Oliveira and Jinxu Zhao.

*In 35th ACM International Conference on Object-Oriented Programming, Systems, Languages and Applications (OOPSLA 2020)*, 2020.

### iRegNet3D: three-dimensional integrated regulatory network for the genomic analysis of coding and non-coding disease mutations.

Siqi Liang, Nathaniel D. Tippens, Yaoda Zhou, Matthew Mort, Peter D. Stenson, David N. Cooper and Haiyuan Yu.

*Genome biology*, 2017, 18(1): 10.

## WORK EXPERIENCE

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**Amazon Inc.** *Jun. 2019 - Aug. 2019*  
*Applied Scientist Intern* *Shanghai, China/Palo Alto, USA*

- Member of AWS Science Group.
- Was responsible for developing an auxiliary python toolbox of TVM
- This developing library could enhance the expressiveness of TVM and let users write high-performance deep neural network in an easier way.

**Sohu Inc.** *Oct. 2017 - Jun. 2018*  
*Software Engineer* *Beijing, China*

- Member of Advertisement and Marketing Group.

- Was responsible for maintaining advertisement system and developing applications of marketing campaigns.
- Some marketing campaigns, like redpack project, bring the company considerable profits.

**TuSimple Inc.**  
*Software Engineer*

Jul. 2017 - Sept. 2017  
*Beijing, China*

- Member of High Performance Computing Group.
- Got involved in the project of auto-driving, responsible for developing the middleware.
- Helped auto-driving system strictly satisfy the low-latency and high-throughput requirement.

## PORTFOLIO

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### Hint Database

- <http://hint.yulab.org>
- HINT (High-quality INTeractomes) is a curated compilation of high-quality protein-protein interactions from 8 interactome resources.
- Was responsible for building search tools and website implement.

### iRegNet3D Database

- <http://iregnet3d.yulab.org>
- Integrated Regulatory Network 3D (iRegNet3D) is a high-resolution regulatory network data resources.
- Was responsible for data analysis and website implement.

## TEACHING

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<b>Teaching Assistant</b>	C++ Programming	<i>Fall 2014</i>
<b>Teaching Assistant</b>	Introduction to Computer Science	<i>Fall 2015</i>
<b>Teaching Assistant</b>	Principles of programming languages	<i>Spring 2019</i>
<b>Teaching Assistant</b>	Functional programming	<i>Fall 2019</i>

## AWARDS

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<b>Academic Excellence Scholarship</b>	Top 10% in SJTU (three times, 2014 - 2016)
<b>Silver Medal</b>	National Olympiad in Informatics(NOI 2012)
<b>Silver Medal</b>	Asia-Pacific Informatics Olympiad(APIO 2012)
<b>Bronze Medal</b>	National Olympiad in Informatics(NOI 2011)