

# Yilan Chen

800 Dongchuan Road, Shanghai, China

✉ yilan@ucsd.edu · ☎ (+86) 137-5997-7969 · 🔗 chenyan.net

## Education

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<b>University of California San Diego (UCSD)</b>	San Diego, USA
<i>Master of Science in Computer Science (with Mathematical Courses)</i>	<i>Sep. 2020 - 2022</i>
<b>Xi'an Jiaotong University (XJTU)</b>	Xi'an, China
<i>Bachelor of Engineering in Information Engineering</i>	<i>Aug. 2015 - Jun. 2019</i>
<b>National University of Singapore (NUS)</b>	Singapore
<i>Summer Workshop by School of Computing</i>	<i>Jul. 2018 – Aug. 2018</i>

## Experiences

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<b>University of Technology Sydney (UTS)</b>	Sydney, Australia
School of Electrical and Data Engineering	<i>Jun. 2020 - Sep. 2020</i>
<i>Research Intern Working with Prof. <a href="#">Richard Xu</a></i>	
<b>Shanghai Jiao Tong University (SJTU)</b>	Shanghai, China
John Hopcroft Center for Computer Science	<i>Jul. 2019 - Jun. 2020</i>
<i>Full-time Research Intern Working with Prof. <a href="#">Quanshi Zhang</a></i>	

## Publications

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### Explaining Knowledge Distillation by Quantifying the Knowledge.

- Xu Cheng, Zhefan Rao, **Yilan Chen**, Quanshi Zhang.
- IEEE/CVF Conference on Computer Vision and Pattern Recognition. **CVPR 2020**.

## Research & Projects

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<b>Deep Learning Theory</b>	<i>Jun. 2020 - present</i>
School of Electrical and Data Engineering, UTS	
<i>Research Intern</i> [Advisor: Prof. <a href="#">Richard Xu</a> , UTS]	
<b>Explaining Knowledge Distillation by Quantifying the Knowledge</b>	<i>Jul. 2019 - Nov. 2019</i>
John Hopcroft Center for Computer Science, SJTU	
<i>Research Intern</i> [Advisor: Prof. <a href="#">Quanshi Zhang</a> , SJTU]	
<b>Face Aging Prediction with Active Appearance Model</b>	<i>Mar. 2019 - Jun. 2019</i>
Image Processing and Recognition Laboratory, XJTU	
<i>Undergraduate Thesis</i> [Advisor: Prof. <a href="#">Xuanqin Mou</a> and Dr. <a href="#">Yijun Liang</a> , XJTU]	
<b>Book Recommendation System Based on IBM Cloud</b>	<i>Jul. 2018 - Aug. 2018</i>
School of Computing, NUS	
<i>Summer Workshop Group Project</i> [Advisor: Prof. <a href="#">Teo Yong Meng</a> , NUS]	

## Notes & Other Projects

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[A Note about NTK Derivation](#)

[Some Derivations and Proofs about Linearized Networks](#)

[Prototype Selection for Nearest Neighbor](#)

## Honors & Awards

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Outstanding Student Award (Top 10% in the department)	<i>Sep. 2016 and 2018</i>
“Siyuan” Merit Scholarship (Top 20%)	<i>Sep. 2016, 2017, and 2018</i>
XJTU’s 120 <sup>th</sup> Anniversary, Certificate of Honor, chorus performance	<i>Apr. 2016</i>

## Technical Skills

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**Programming:** Proficient in Python, C/C++, MATLAB, JavaScript

**Scientific Software and Hardware Development:** PyTorch, Linux, LaTeX, FPGA, ARM

**Standard English Tests:** TOEFL: 104 (R29 L29 S22 W24)    GRE: 321 (V155 Q166) + 3.0