

Yilan Chen

800 Dongchuan Road, Shanghai, China

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

Education

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

Experiences

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

Publications

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

Deep Learning Theory and Robust Deep learning Department of Computer Science and Engineering, UCSD <i>Research Intern</i> [Advisor: Prof. Lily Weng , UCSD]	Jan. 2021 - present
Deep Learning Theory School of Electrical and Data Engineering, UTS <i>Research Intern</i> [Advisor: Prof. Richard Xu , UTS]	Jun. 2020 - Sep. 2020
Interpretable Machine Learning John Hopcroft Center for Computer Science, SJTU <i>Research Intern</i> [Advisor: Prof. Quanshi Zhang , SJTU]	Jul. 2019 - Jun. 2020
Face Aging Prediction with Active Appearance Model Image Processing and Recognition Laboratory, XJTU <i>Undergraduate Thesis</i> [Advisor: Prof. Xuanqin Mou and Dr. Yijun Liang , XJTU]	Mar. 2019 - Jun. 2019
Book Recommendation System Based on IBM Cloud School of Computing, NUS <i>Summer Workshop Group Project</i> [Advisor: Prof. Teo Yong Meng , NUS]	Jul. 2018 - Aug. 2018

Notes & Other Projects

A Note about Neural Tangent Kernel (NTK) Derivation [\[pdf\]](#)
Some Derivations and Proofs about Linearized Networks [\[pdf\]](#)
Prototype Selection for Nearest Neighbor [\[pdf\]](#)
Coordinate Descent [\[pdf\]](#)

Honors & Awards

Outstanding Student Award (Top 10% in the department)

Sep. 2016 and 2018

“Siyuan” Merit Scholarship (Top 20%)

Sep. 2016, 2017, and 2018

XJTU’s 120th Anniversary, Certificate of Honor, chorus performance

Apr. 2016

Technical Skills

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