JIAXU LIU

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SHORT BIO

I'm a senior year undergraduate student at Australian National University pursuing a bachelor's degree of Advanced Computing(honour), prior to joining the double degree program, I was doing bachelor of computer science at Shandong University in China.

My current research basically focuses on machine learning(in particular variational techniques) under the supervision of Prof. Tom Gedeon, I'm also doing some summarizing works relating to the graphical models which is currently under review by my thesis co-supervisor Mr. Zhenyue Qin. My research interests include variational inferences, probabilistic graphical models, optimization(convex & non-convex), etc.

EDUCATION

Australian National University   *July 2019 - Present*
Bachelor of Advanced Computing(Honours)
ANU College of Engineering and Computer Science
GPA: 6.0/7.0(ANU), 4.0/4.0(WES)

Shandong University   *2017 - 2019*
Bachelor of Computer Science
School of Mechanical, Electrical & Information Engineering
Listed in "Double First-Class" universities. Project 985 & 211
GPA: 80.17/100

EXPERIENCE

Academic Tutor   *July 2020 - Present*
Australian National University

Casual Academic Staff, TA for course COMP3600/6466 (Algorithms). Responsibilities include:

- Facilitator in weekly interactive tutorials, assist students with lab exercises and course content
- Responsible for creating&marking assignment, quizzes, and examinations
- As a sessional academic staff, receive feedback from students, help improve teaching quality

Development Intern   *Jan 2019 - Feb 2019*
IIFOX Shanghai

Responsibilities include:

- Maintaining Customer relationship management (CRM) system and develop new functions within ASP.NET framework
- Cooperate with engineers in the deployment department and implement the system in various environment

Associate Representative of Students' Association   *Jun 2018 - Jun 2019*
Shandong University, School of Mechanical, Electrical & Information Engineering

ACM-ICPC School Team Member   *Jan 2018 - Jun 2019*
Shandong University, ACM-ICPC School Team

PUBLICATION

Norm-KL-Divergence: A Remdy For Negative Monte Carlo Estimated Values Of KL-Divergence
Under Review
Authors: Zhenyue Qin, Jiaxu Liu, Yang Liu, Saeed Anwar, Pan Ji, Tom Gedeon
Conference: International Conference on Acoustics, Speech, & Signal Processing (ICASSP)

Declarative Residual Network For Robust Facial Expression Recognition
Aug 2020
Authors: Ruikai Cui, Josephine Plested, Jiaxu Liu
Conference: International Conference on Neural Information Processing (ICONIP)

AWARD & ACCOMPLISHMENTS

The 10th Shandong technology festival —— The 9th Shandong Collegiate ACM Programming Contest, The Excellence Award
May 2018
Organization: Shandong Computer Federation

The 9th Lanqiao Programming Contest, Shandong Provence, C/C++ Programming Pollegiate A Group, The Province Second Award
Apr 2018
Organization: Talent exchange center of Ministry of industry and information technology

CCCC Group Programming Ladder Tournamen, National Finals, The Second Award
Mar 2018
Organization: Zhejiang University

Shandong University (weihai) ACM Programming Contest 2018 "New Stars", The Silver Award
Mar 2018
Organization: Shandong University

TECHNICAL STRENGTHS

Programming & Skills(Proficient)	C++, C , Python, Data Structure, Algorithm, Pytorch
Programming & Skills(Familiar)	Ada, HTML/PHP, C#, Java
Selected Course Accomplishment	Convex Optimisation, Advanced Algorithm, Computer Vision, Bio-inspired Computing, Probabilistic Graphical Models