ZHANG Liu

CONTACT INFORMATION	Yale-NUS College 28 College Avenue West Singapore 138533		(+65)85156883 zhangliu@u.yale-nus.edu.sg http://zhangliu6.github.io		
EDUCATION	Yale-NUS Co	ollege, Singapore			
	 Bachelor of Science (Honors) (expected May 2022) Intended Major: Mathematical, Computational, and Statistical Sciences Overall GPA: 4.82/5.0; Major GPA: 4.94/5.0 				
Academic Coursework	□ Discrete Ma□ Introduction	ora to Computer Science	 □ Sanskrit (Beginning, Intermediate, and Advanced) □ Philosophy and Political Thought 1 and 2 □ Literature and Humanities 1 and 2 □ Scientific Inquiry 1 and 2 □ Introduction to Black Holes □ Creativity, Imagination and Theoretical Physics 		
RESEARCH SKILLS	Programming Softwares/Tool Deep Learning	(Linguistics), Arduino, MATLAB, SAOImageDS9			
Publications	Zhang L., Ng E.Y.K. (2019) Study of Machine Learning in Automatic Sentiment Recognition from Human Speech. In: Arai K., Kapoor S., Bhatia R. (eds) Advances in Information and Communication Networks. FICC 2018. Advances in Intelligent Systems and Computing, vol 887. Springer, Cham. (Paper DOI: 10.1007)				
Conferences	Study of Machine Learning in Automatic Sentiment Recognition from Human Speech, 2018 Future of Information and Communications Conference, Singapore (April, 2018). (Conference interview)				
OTHER SKILLS & INTERESTS	Languages	*	termediate reading and writing proficiency) vanced reading and writing proficiency)		

Honors & Award	$_{ m S}$ 2018 – present 2020	Yale-NUS Study Award, full scholarship for undergrad education. Summer Academic Scholarship Award,			
	2010	lective merit-based scholarship for Yale-NUS students.			
	2019	Y Pillay Global-Asia Programme Award, lective merit-based scholarship for Yale-NUS students.			
	2017	nternational Finalist at Dongrun-Yau Science Award	1		
	2011	ghly selective competition organized by Tsinghua Univ			
	2017	Silver Award, represented Singapore at International Beijir			
		Youth Science Creation Competition.			
	2017	Best Paper Award, IRC Conference on Science Engineering & Tech. Gold Award in Nanyang Research Program, two-year research for talented high school students in Singapore.			
	2017				
	2017, 2016, 2015	ronze Medalist at Singapore National Olympiad in I	~ -		
	2013 - 2017	ngapore Ministry of Education SM1/JM3 Scholarship,			
		ghly selective government scholarship to support four-	-year study		
		Singapore, including tuition and stipend.			
	1 2020				
Academic &	Jan 2020 – present	Peer Tutor, Proof and Linear Algebra.	· · · · · · · · · · · · · · · · · · ·		
Research	Jan 2020 – present	Research Assistant, Regional Cultural Politic	cs of PRC's		
Experience		New Media Technologies in Xinjiang. Supervisor: Shao-ling Ma, Yale-NUS College.			
	Jan 2020 – present	Persistent Homology of Semantic Spaces.			
	oun 2020 present	Supervisor: Fei Han,			
		Department of Mathematics, National University	v of Singapore.		
	May 2020 - Aug 20	-			
	.,	Supervisor: David Andrew Smith, Yale-NUS Co	llege.		
	Jul 2019 - Sep 201	Hybrid Analytical-Numerical Integration.	O		
	-	Supervisor: David Andrew Smith, Yale-NUS Co	llege.		
	Jun 2019 – Jul 201	Digital Gazetteer Project at Yale Digital Hur	$nanities\ Lab.$		
		Supervisor: Catherine DeRose, Yale University.			
	Sep 2018 – Jun 20	$Ecological\ Modeling\ Research\ Cluster.$			
		Supervisor: Maurice Cheung, Yale-NUS College.			
	Jan 2018 – Jun 20	Emotion recognition from electroencephalogram	$aphy \ (EEG)$		
		signals using hybrid deep neural networks. Supervisor: Hongliang Ren,			
		School of Engineering, National University of S.	ingapore.		
Apr 2016 –Dec 2		Application of Machine Learning in Automat			
		Recognition in Human Speech			
		Supervisor: Yin Kwee Ng, Eddie,			
		College of Engineering, Nanyang Technological U	Jniversity.		
	Feb 2017 –Jun 201	Multi-Perspective Research on Autism Spectr	$um\ Disorder$		
		and Neuroscience of Love			
		Supervisor: Jean Liu, Yale-NUS College.			
Τ	May 2019 – presen	President of Ashen Light Astronomy Club,			
Leadership	May 2019 – preser	Yale-NUS College.			
	May 2019 – Jan 20		e		
	2010 0an 20	Yale-NUS College.	~,		
	2016 - 2017	President of Mathematics and Computing Club,			
	- •	Anglo-Chinese Junior College.			
	2016 - 2017	Vice-President (Talent Development),			
		Science & Mathematics Council, Anglo-Chinese Jur	ior College.		
	2014 - 2015	Prefect, Student Council Training and Developmen	at Committee,		
		Swiss Cottage Secondary School.			