

# SHI-ANG QI

University of Alberta, Edmonton, Alberta, Canada, T6H 1H9  
(+1) 587-937-7555 ◊ shiang@ualberta.ca ◊ <https://github.com/shi-ang>

## EDUCATION

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<b>University of Alberta, Edmonton</b>	<i>Sep. 2020 - Present</i>
Ph.D. in Computer Science	GPA: 3.9/4.0
<b>University of Alberta, Edmonton</b>	<i>Sep. 2016 - May 2020</i>
M.Sc. in Electrical and Computer Engineering	GPA: 3.6/4.0
<b>Huazhong University of Science and Technology</b>	<i>Sep. 2012 - Jun. 2016</i>
B. Eng in Biomedical Engineering	GPA: 3.4/4.0

## PUBLICATIONS

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- Neeraj Kumar\*, **Shi-ang Qi\***, Li-Hao Kuan, Weijie Sun, Jianfei Zhang, and Russell Greiner. "Learning accurate personalized survival models for predicting hospital discharge and mortality of COVID-19 patients." *Scientific reports* 12, no. 1 (2022): 1-11.
  - **Shi-ang Qi\***, Qian Wu\*, Zhenpu Chen, Wei Zhang, Yongchun Zhou, Kaining Mao, Jia Li et al. "High-resolution metabolomic biomarkers for lung cancer diagnosis and prognosis." *Scientific reports* 11, no. 1 (2021): 1-10.
  - Zehra Shah, Jeffrey Sawalha, Mashrura Tasnim, **Shi-ang Qi**, Eleni Stroulia, and Russell Greiner. "Learning language and acoustic models for identifying alzheimers dementia from speech." *Frontiers in Computer Science* (2021): 4.
  - **Shiang Qi**, and Jie Chen. "Safety Assessment of a Wearable Low-Intensity Pulsed Ultrasound Device for Relieving Mental Illness Symptoms" In *2020 42nd Annual International Conference of the IEEE Engineering in Medicine and Biology Society (EMBC)*, pp. 5240-5243. IEEE, 2020.
  - Xiaoxue Jiang, Oleksandra Savchenko, Yufeng Li, **Shiang Qi**, Tianlin Yang, Wei Zhang, and Jie Chen. "A review of low-intensity pulsed ultrasound for therapeutic applications." *IEEE Transactions on Biomedical Engineering* 66, no. 10 (2018): 2704-2718.
  - **Shiang Qi**, Yufeng Li, Wei Zhang, and Jie Chen. "Design of a novel wearable lipus treatment device for mental health treatment." In *2018 40th Annual International Conference of the IEEE Engineering in Medicine and Biology Society (EMBC)*, pp. 6052-6055. IEEE, 2018.

## HONORS

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- Graduate Recruitment Scholarship, \$5,000 *2020*
  - Mitacs Accelerate Scholarship, \$25,000/year *2019*
  - Excellent Student Leader at Huazhong University of Science and Technology (3%) *2014*
  - Public Welfare Scholarship at Huazhong University of Science and Technology (2%) *2013&2014*
  - Freshman Scholarship, Excellent League Member, Excellent Student in Science and Technology Innovation Activity at Huazhong University of Science and Technology *2013*

## SKILLS

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<b>Algorithms</b>	Machine/Deep Learning, Survival Analysis, Causal Inference
<b>Programming Languages</b>	Python, R, C, Java, MATLAB
<b>Libraries</b>	PyTorch, Keras, Tensorflow, Scikit-learn