

# GUANLI LIU

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## 🎓 EDUCATION

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**The University of Melbourne**, Melbourne, Australia 2019 – Present

*PhD Candidate* in Computing and Information System, expected December 2022

**Northeastern University**, Shenyang, China 2013 – 2015

*M.S.* in Computer Technology

**Northeastern University**, Shenyang, China 2009 – 2013

*B.S.* in Software Engineering

## 📄 PAPERS

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- Guanli Liu, Lars Kulik, Xingjun Ma, Jianzhong Qi. A Lazy Approach for Efficient Index Learning. arXiv preprint arXiv:2102.08081  
source code: <https://github.com/Liuguanli/ModelReuse>
- Jianzhong Qi (supervisor), Guanli Liu, Christian S. Jensen, and Lars Kulik. Effectively Learning Spatial Indices. PVLDB, 13(11): 2341-2354, 2020.  
source code: <https://github.com/Liuguanli/RSMI>
- Yu Gu (supervisor), Guanli Liu, Jianzhong Qi, Hongfei Xu, Ge Yu, and Rui Zhang. The Moving K Diversified Nearest Neighbor Query. TKDE, 28(10): 2778-2792, 2016.

## 👤 EXPERIENCE

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**The University of Melbourne** Aug. 2019 – Present

*Tutor* Comp90018 (Mobile Computing)

- Android development

*Tutor* Comp90041 (Programming and Software Development)

- Java development

**Baidu Inc.** Beijing, China 2015 – 2017

*Senior Researcher and Developer* Android developer

Brief introduction: IM system development based on Android system.

- Message Business: Message recall, Message deletion, Red pocket Message, Contact Message
- Projects: QR code recognition, file transfer assistant, splash, global message search
- Voice assistant: Voice recognition SDK integration, send message, order meeting room

**Neusoft** Shenyang, China Jun. 2012 – Sep. 2012

*Software Engineer* Java Web development

- Administrative system of the logistics

## ⚙️ SKILLS

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- Programming Languages: Java > Python == C++
- Development: Java Web, Java, Android, SQL, LaTeX, TensorFlow, PyTorch

## ♡ HONORS AND AWARDS

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performance appraisal in Baidu <i>Top 20%</i>	2016
Outstanding master student <i>Top 5%</i>	2014
<i>3<sup>rd</sup> Prize</i> prize of American college students' mathematical modelling contest	2011
<i>3<sup>rd</sup> Prize</i> prize of Google Android application development in China	2011

## ❖ MISCELLANEOUS

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- GitHub: <https://github.com/Liuguanli>
- Languages: English - Fluent, Mandarin - Native speaker