

Qiming Bao

Email: qbao775@aucklanduni.ac.nz

Phone: 0225120099

Education

- **The University of Auckland** Auckland, New Zealand
BSc of Science (Honours) in Computer Science *August 2018 - now*
 - Class Representative of COMPSCI761 Artificial Intelligence
 - Cumulative GPA: 7/9
- **Auckland University of Technology** Auckland, New Zealand
Bachelor of Computer and Information Sciences *July 2016 - March 2018*
 - Cumulative GPA: 7.733/9
- **China Jiliang University** Hangzhou, China
Bachelor of Computer Science *September 2014 - June 2018*
 - Cumulative GPA: 4.16/5

Working Experience

- **Orion Health** Auckland, New Zealand
Summer Research Internship *November 2018 - April 2019*
 - Develop an online medical web chatbot by using Django
 - Develop web chatbot with machine learning package including Pytorch, Tensorflow, scikit-learn, pandas, numpy, NLTK and gensim.
 - Gained valuable experience in machine learning development, database management, source control, software metrics and working as a team.
- **Mathematics Modeling Laboratory, China Jiliang University** Hangzhou, China
Lab Participant *April 2016 - April 2018*
 - The Honorable Mention of 2018 American Mathematics Modelling Contest
 - Gained valuable experience in mathematics modeling, algorithm design and implementation, academic paper writing and team work.

Orion Health Summer Research Internship

- **Title:** An Online Question Answering System for Medical Questions
- **Work and experiments in this project:**
 - I supposed and developed an online question answering system (HBDA) for medical questions with Hierarchical Bidirectional-LSTM Attention Model. The model make the highest score compared with the LSTM + Attention, BERT, LSTM, TF-IDF + Cosine Similarity model in text understanding and sentence similarity comparison based on Quora dataset. (0.89% higher than the LSTM + Attention and 0.97% higher than the BERT baseline model). Besides, HBDA has been tested compared with two famous chatbots Buoyhealth (80.1%) and GYANT (80.2%) and got a higher F1-score (84.4%) in 100 common disease question and answer pair.