Qiming Bao

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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: 4.11/5

Working Experience

- **Orion Health** — Auckland, New Zealand
  Summer Research Internship — *November 2018 - April 2019*
  - Develop an online medical web chatbot by usiung 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.