

# BILL BAO

Last Name: BAO  
First Name: BILL  
VISA Type: Open Work Permit

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## Education

### University of Auckland (UoA)

Bachelor of Science (Honours) in Computer Science (First Class), GPA: 7/9

Auckland, New Zealand

07/18 – 07/19

- Orion Health Summer Research Scholarship
- Class Representative of COMPSCI761 Artificial Intelligence
- Certificate of Outstanding Achievement in COMPSCI711 Parallel and Distributed Computing

### Auckland University of Technology (AUT)

Bachelor of Science in Computer and Information Science, GPA: 7.733/9

Auckland, New Zealand

07/16 – 07/18

- Excellent Graduate Research and Development Project
- Certificate of Outstanding Achievement in COMP611 Algorithm Design and Analysis
- Certificate of Outstanding Achievement in COMP603 Program Design and Construction

### China Jiliang University (CJLU)

Bachelor of Science in Computer Science & Bachelor of Law in Intellectual Property, GPA: 4.11/5

Hangzhou, China

09/14 – 07/18

- The National Merit-Based Scholarship, The Ministry of Education of the PRC
- The Zhejiang Province Government Scholarship, The Education Department of Zhejiang Province
- Outstanding Graduated Student of Zhejiang Province, The Education Department of Zhejiang Province
- The Third Prize of Zhejiang Multimedia Competition, The Education Department of Zhejiang Province
- The Honorable Mention of American Mathematics Modelling Contest, Mathematical Association of America

## Skills Summary

- *FronEnd*: Manipulated with JavaScript and HTML/CSS
- *MobileEnd*: Manipulated with Android
- *BackEnd*: Manipulated with Java, Python and C#
- *Datastores*: Manipulated with Neo4j, MySQL and Microsoft SQL Server
- *Machine Learning*: Manipulated with Pytorch, Tensorflow, Scikit-learn, Pandas, Numpy, NLTK and Gensim
- *Deep Learning*: Well Understood with DNN, CNN, RNN, Word2Vec, LSTM, Bi-LSTM, GRU, Attention, BERT
- *Passionate with*: Question Answering (QA) and Natural Language Processing (NLP)

## Project Experience

### Medical Web Chatbot "HBAM"

Research Participant

Orion Health, Auckland, New Zealand

11/18 – 04/19

- Develop a medical chatbot called "HBAM" using Django based on Deep Learning and Knowledge Graph.
- Compared with BERT and MaLSTM models, the eval-accuracy of HBAM shows 3.00% and 2.80% higher than the two state-of-the-art Deep Learning models respectively [github link](#) and [authored articles](#).

### PeerWise Question Answering Platform

Research & Development Project Participant

UoA, Auckland, New Zealand

07/18 – 07/19

- Develop an innovative question answering & natural language processing model to the PeerWise platform.
- Compared with the old version, the new version can improve the teaching effect by 46.79%.

### Medical App "Healthy Mother"

Software Developer Internship

Service Outsourcing Laboratory, CJLU, Hangzhou, China

12/15 – 01/17

- Develop a Medical App called "Healthy Mother" based on Android [github.com/Healthaide](https://github.com/Healthaide).
- Using XMPP and FPGrowth as the instant chat engine and the recommendation algorithm respectively.
- Authorized one software copyright and pending approval one patent.

### Book Purchase and Management Website

Software Developer Internship

Service Outsourcing Laboratory, CJLU, Hangzhou, China

12/15 – 01/17

- Develop a Book Purchase and Management Website which has been included in a Chinese MOOC website.