DEDONG ZHANG

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EXPERIENCE

AUG. 2018 – JAN. 2019

TEACHING ASSISTANT,

UNIVERSITY OF WATERLOO

Teaching lab class of GEOG 310 Geodesy and Surveying.
Grading Students assignments and exam.

EDUCATION

AUG. 2018 - PRESENT

DOCTOR OF PHILOSOPHY CANDIDATE, GEOGRAPHY

UNIVERSITY OF WATERLOO

Research focus on the impact of the environment on the human body and how to use new technologies to solve the human environmental crisis. This problem involves snow environment testing, PM2.5 environmental testing, agricultural environment and the impact of indoor environment on human body.

AUG. 2016 – JUL. 2018

MASTER OF SCIENCE IN ELECTRICAL AND COMPUTER ENGINEERING,

BAYLOR UNIVERSITY

Research focus on biomedical Engineering, especially the electrocardiogram classification.
Degree thesis: Semi-supervised Learning for Electrocardiography Signal Classification
Abstract: This work using statistics and mathematical models to classify different types of heart beat condition. In order to help cardiologist to improve the correct diagnosis rate of the heart disease.

AUG. 2013 – JUL. 2016

BACHELOR OF SCIENCE IN ELECTRICAL AND COMPUTER ENGINEERING,

BAYLOR UNIVERSITY

Final project focus on using software solution to help doctor better observe and detect tumors in the rectum and accurately determine the size of the tumor.

SUPERVISOR/ADVISOR

- **Aug. 2016 – JUL. 2018**
  Dr. Liang Dong
  ASSOCIATE PROFESSOR, ELECTRICAL & COMPUTER ENGINEERING
  BAYLOR UNIVERSITY

- **Aug. 2018 –PRESENT**
  Dr. John Zelek
  ASSOCIATE PROFESSOR, SYSTEMS DESIGN ENGINEERING
  UNIVERSITY OF WATERLOO

RESEARCH FUNDING

- **Aug. 2016 – JUL. 2018**
  Baylor University Graduate student Scholarship

- **Aug. 2018 – JUL. 2022**
  University of Waterloo International Doctoral Student Award