

# Wu Wancheng

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## EDUCATION

**National University of Singapore**

Jan. 2019 - Jan. 2020

Master in Electrical Engineering

GPA: 3.75/4.0

Courses: Convex Optimization, Pattern Recognition, Neural Networks

**University of Electronic Science and Technology of China**

Sept. 2014 - Jun. 2018

Bachelor in Smart Grid Information Engineering

GPA: 3.81/4.0

Courses: Advanced Programming Language and Program Design, Database Fundamentals

## RESEARCH & PROJECT

**Neural Network Modelling of 6T SRAM**

Jan. 2019 – Dec.2019

- Design the basic 6T SRAM cell by LTSPICE.
- Data extraction to generate trainset and testset.
- Neural network modelling and training
- Propose some methods to reduce the data needed based on data analysis principles

**Neural Network Based Images Classification**

Mar. 2019

- Apply MLP neural networks to classify binary classes images.
- Use regularization algorithm to solve over-fitting problems.

**Spam Email Classification**

Mar. 2019

- Use log-transform or binarization data processing method for original spam email dataset.
- Apply four classification algorithms Beta-binomial Naive Bayes, Gaussian Naive Bayes, Logistic regression,
- K-Nearest Neighbors respectively to classify spam emails.
- Calculate the accuracy for different methods and adjust corresponding parameters for optimization.

## AWARDS / HONORS

- UESTC Outstanding Students Third-class Scholarship 2015
- UESTC Outstanding Students First-class Scholarship 2016
- UESTC Outstanding Students Second-class Scholarship 2017