# PHẠM NGUYỄN NGỌC SƠN

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## BRIEF INFORMATION

- I'm still a student,learning at the faculty of Electrical and Electronics Engineering.

## EXPERIENCE

- I known programming in C and Python.
- Learn and use raspberry pi but I'm still a newbie in this area, and use linux to do some simple tasks.
- I have code Data structure and Algorithms
- I have use git command (git clone, git add, git push), use git for read and reasearch
- Know use Linux for program and use Python in linux
- Know a little bit about Linear regression, Logictis regresion ,Neural Network, Deep Learning, Gradient Descent
- Know how to use basic Pandas to analyse datasets
- I use scikit learn to do some simple examples and now I'm learning simple Tensorflow, Keras with Python, Build Machine learning algorthrim linear regression, Logictic Regresion, Gradient Descent and know a little bit about CNN

## PROJECTS

- **Facial Keypoints Detection**
  - This is actually a simple competition on Kaggle.com which aims to automatically detect where is the keypoints of face images. This can be used as a building block in several application like:
    - + Tracking faces in images and video
    - + Analyse face expression
    - + Biometrics/ face recognition
  - I have learn how to use pandas to load and transform dataset from Kaggle to memory since everything is provided by files csv
  - Build a simple neural networks with 3 Dense layers and use some techniques to improve result quality and improve training performance like applying Dropout layers, using ELU activation instead of Relu to prevent overfiting
  - Know how to load and save automatically a model after finishing training
  - Apply some simple method to save features after finishing step 'feature extraction' since it takes a lot of time to do, one of my favorite solution I have used in this project is using python's pickle
  - Using matplotlib to render the result of my neural network after training since I would like to verify with the real picture from myself

## KEY SKILLS

LANGUAGES

- English: good enough for communicating

COMPUTER

Have a good skill in using shell on linux and window, build tools

- Manage code effectively by using git

WORKING SKILLS

- Working under pressure, Time Management: 8/10
- Communicative & Interpersonal: 9/10
- Logical and Problem solving: 7/10
- Planning,: 8/10