My Name is Gaopengfei, I’m currently pursuing master’s degree in Tsinghua University.I can code in C/C++ and python, and I have basic knowledge about java/php too. I’m in the Computer Vision Lab, I’ve done research on registration of infrared Image and visible image, which tries to find a Mapping function between images taken by a visible and infrared camera, and fusing both images into an enhanced image with infrared information. I ‘m currently working on denoising and delineation of ECG signals, I’ve implemented an ECG delineation system with patter recognition method Random Forest. I’ve an internship in Samsung at Text to Sound group and my major job was to implement a text conversion system, which converts a given Cantonese text into phonemes.

A quite interesting problem I encountered at Samsung was that I have to do a line merging based on two columns’ matching results. The scenario Is that I have a column on the left which is sentences of a specific language. And the column on the right is the results of processing, which add symbols to some position of the sentences and break the sentences to smaller sentences at some point. And I want to merge the small sentences to original sentence with added symbols. To achieve this I have to measure the similarity between the two sentences. I used LCS algorithm to do that. It’s a trade-off between different languages.