

Probation Report (Jun - Sep)

In the past three months, my job focused mainly on two parts, which are data analysis and database configuration.

For the first part, I used software tools including MySQL and Navicat to store the data in form of tables, which enables me to retrieve only the necessary data I need effectively. By using SQL statements and tools embedded in Navicat, I successfully generated different kinds of reports. What's more, with the help from Jiashen and Rona, I obtained lots of essential knowledge on how to deal with this kind of data analysis and how to be a good IT specialist.

For the second part, because of the potential migration of the chemical search engine, I installed the search engine we are about to use(JChem Postgresql) on a virtual machine(CentOS6), and developed a software tool to receive queries from web. At this moment, the engine and the software are working properly despite of some minor problems, which I will try to fix later on.

As the probation period is going to end this month and I'm going to work as a formal employee of Astatech, my work will still be related to the two parts above. To be more specific, the optimization of the data analysis and evolution of the database. Meanwhile, I'm also open to challenges aside of the work on these two parts.

Employee's name: Zhiyang Zhou Date: 09/25/2020