# learnin journal 3

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1. I have learned a lot of things relating to the history and development of computer science and some of the computer scientists that are admirable today. We do think that they contributed a lot to the development of the world, and it is our responsibilities to learn this subject and their inventions.

2. The Computer Scientist I'd like to introduce is Kathleen Booth, who created the assembly language and the design of the assembler,which is the basics of programming.

3. Kathleen Booth wrote the first assembly language and designed the assembler and autocode for the first computer systems at Birkbeck College, University of London.And another contribution was the ARC assembly language.She also built and maintained ARC components.The group she was in produced three machines, ARC,SEC, and APEXC, during the period 1947 to 1953 was a remarkable achievement,became an essential member of one of the most successful British computer teams in Britain with her husband while they were working at Birkbeck College.(form wikipadia original on 20.3.2018)

4. I do think Boolean George is one of the famous computer scientists whom we should add into the list. He majored in mathematics but also gave a great contribution on computer science. He thought that every logical proposition could be substituted by two logical value which are "true" and "false", and three logical relationships which are "and", "or" and "not". This theory means a lot when researching something about binary system and logical circuit. And it is the basement of the modern computer theory.

5. In my opinion, Alan Turing made the greatest contribution to computing and computer science. He is the first person that link calculation and automata together. His invention which is called Turing machine promotes the research and development of electronic computer. Also he put forward a famous experiment called Turing test which is the origin of the artificial intelligence. That's the reason that he is called the father of computer science, and also that's why he is the person for me that made the greatest contribution to computing and computer science.