## PERSONAL INFORMATION

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## WORKING EXPERIENCE

**Autodesk China Research Institute, Home Team**
QA testing intern       (2015/6 – 2016/4)

**Oracle Shanghai Research and Development Center, Berkeley DB Team**
Software Developer 2       (2016/6 – 2019/5)
1.  Database Kernel Development
- Compile database files on Linux and Windows, clear code warning messages
- Update C++, Java and C# APIs after there have some modifications on the database code modifications, including header files, structure, methods and constants information (including all statistics fields) and update the corresponding technical document
- Run Fuzzing testing tool AFL to generate the crashed database file and call the utility db_verify on the crashed binary database file. According to the stack information of core dump file to analyze the code routine and find the reason why the crash happens, propose and discuss the solution
     a.  Fix the wrong representation of ith entry in the database page
     b.  Fix the issue that the index pointer exceeds the legal range in the array
     c.  Fix the issue that the ith entry exceeds the legal range on the database page
- Maintain the compilation errors caused by the version updates of thrift, log4j and slf4j for the interface functions and data types in the thrift's IDL file, make some modifications on the corresponding scripts (including the scripts used to generate executable binary files.)
- For Berkeley DB tools db_tuner and db_convert, add some command-line compilation parameters. Ensure that when calling the specific function interface, update the verify function into the utility db_tuner and db_convert and update Tcl test
2.  Database Kernel Testing
- Realize the testing cases based on Tcl, testing Berkeley DB API and related functions
- Run Fortify on the database kernel to execute the white-box testing and check the generated report and make some comments.

**Ab – Ovo China**
Quintiq Specialist       (2019/8 – Now)
- TKSE is a steel project that cooperates with German Company Thyssenkrupp.

The project is mainly about Realization, Implement and Deployment TKSE project by using Quintiq Platform. However, the main task of Quintiq Specialist is to realize the requirement from BC, and test task. Quintiq Platform is the development platform for APS bought by DS, which is mainly used to develop APS system, the development language is Quill.

## EDUCATION

**East China Normal University, Computer Center**
Computer Application Technology          (2013/9 - 2016/6)

**Shanghai University of Electric Power**
Academy of International Exchanges     (2009/9 - 2013/6)
- 2010/9 - 2011/6   Academy of International Exchanges    Third-class scholarship
- 2011/9 - 2012/6   Academy of International Exchanges    Second-class scholarship

## PERSONAL SUMMARY

- Skill: C (skilled), C++ (skilled), Python (understood), C# (understood), Java (understood), SQL (understood)
- Languages:    English CET-6, Japanese N2