**PERSONAL INFO**

Name: Ning Juan

Cell Phone: 18621563883

E-mail: 1020298415@qq.com

**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)

Database Kernel Development

* 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.

1. Fix the wrong representation of ith entry in the database page.
2. Fix the issue that the index pointer exceeds the legal range in the array.
3. 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.

Database Kernel Testing

* Realize testing cases based on Tcl, and test Berkeley DB API and related functions.
* Maintain Jenkins testing framework, and add independent testing case into the current Jenkins testing framework.
* Run open source software Fortify on database kernel to execute white-box testing and check the generated report and make comments.

**Ab – Ovo China**

Quintiq Specialist (2019/8 – Now)

* TKSE is a steel project that cooperates with Thyssenkrupp. The project is mainly about implement and deployment Steel Model by using Quintiq Platform. My main task is to analyze the requirement from BC and try to figure out the specific requirement, discuss the solution with other Quintiq Specialist and the final coding, and I need to test the code and give it back to BC.
* Quintiq Platform is a development platform for APS bought by DS System, which is used to develop APS system. It includes front-end, back-end, knowledge table, Server and Database Server. The main 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

**SKILL**

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