PERSONAL INFO
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WORKING EXPERIENCE
Autodesk China Research Institute, Home Team
QA test intern   (2015/6 – 2016/4)
- Manually test for Home product to find whether there has any defects of rendering maps.
- Design and implement testing framework based on Selenium 2 for web product of Home to check the availability of all controls.

Oracle Shanghai Research and Development Center, Berkeley DB Team
Software Developer 2   (2016/6/30 – 2019/5/30)

Database Kernel Development
- Maintain BDB product when there has any update on the database code, header file, structure, methods, and constants information (here, including all statistics fields), and update Java, C# interfaces and technical document.
- Maintain any version update of dependent software, thrift, log4j, and slf4j, including the interface functions and data types in the thrift's IDL file and scripts. Meanwhile, maintain compilation errors and TCL test errors. (Including the scripts that used to generate executable binary files.)
- Run Open Source Software Fuzzing test tool AFL to generate the crashed database file and call bdb utility db_verify on crashed binary database file by using Debug Tool GDB. According to stack information of core dump file, try to analyze the code routine and locate the place where the issue happens and find out the reason why the crash happens, propose and discuss the solution with others.
    a. Fix wrong representation of ith entry in the database page.
    b. Fix issue that the index pointer exceeds the legal range in the array.
    c. Fix issue that the ith entry exceeds the legal range on the database page.
- For Berkeley DB utility tools db_tuner and db_convert, add command-line compilation parameters. Ensure that when calling utility on the database file to tuner or convert the database file, add the verify function into the utility db_tuner and db_convert to ensure that before tuner or convert the database file, there has no problem about the database file. Also update the corresponding TCL test.

Database Kernel Testing
- Realize test cases based on TCL, and test Berkeley DB API and functions.

- Run Open Source Software Fortify on database kernel to execute white-box test, check the generated report and make comments to ensure code safety of Product.
- Maintain Jenkins test framework, and add test cases into Jenkins test framework.

Ab – Ovo China
Quintiq Specialist   (2019/8/1 – Now)
TKSE
- Figure out requirement, discuss solution with BC and implement basic function by Quintiq Platform.

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)
- Database System Kernal (understood)
- Languages: English CET-4, CET-6, Japanese N2