Name：Zhu Ting

Job search intentions：Automotive Electronics Engineer

Three and a half years of experience

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# EDUCATION

2016.09-2020.07 Shanghai Polytechnic University Communication Engineering(Bachelor's degree)

# Skills

Proficient in using Canoe/CANalyzer for message sending and receiving, and CANape tool for calibration;

Proficient in using laboratory tools such as electric soldering iron, hot air gun, multimeter, oscilloscope, etc;

Familiar with ASPICE software development process and functional safety software testing;

Familiar with Git and Linux commands, able to easily use Git for version management;

Master bus protocols such as CAN, CANfd, XCP, J1939, UDS, etc;

Master and be able to write scripts in programming languages such as C/C++, Python, Java, etc;

Master and be able to use CAPL to write scripts;

Master the production process of dbc and the production of CAN matrix;

Understand the Vector toolchain and have used da Vinci tools, MATLAB(simulink), and DSP series software;

Understand the BMS HIL bench structure and be able to build a hardware in the loop testing environment;

Having passed the College English CET-6, possessing good English speaking and reading abilities;

Passed the road traffic test and obtained a C1 driver's license (January 2022);

Strict and pragmatic, strong team collaboration ability, and will conduct regular review and analysis;

**Professional experience**

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| Company | Time | Contents |
| Alten (Beijing) Technology Consulting Co., Ltd. stationed at ZF Automotive Technology Co., Ltd | 2021.07-now | Gateway Box Diagnostic Development  1. Based on the specified requirements and upstream provided dbc files, CANalyzer, CANape engineering, and collaborate with Indian colleagues to create a CAN matrix and verify it;  2. According to the EPS interface PIN definition, assign technicians to create gateway boxes  3. Write a C script based on the signal characteristics of tx and rx messages in the CAN matrix, and compile the hex file in Hightec using Infineon Memtool.Flash the hex file to the gateway box hardware;  4. Using vector tools such as VN1610/VN1630/VN1640A/VN8911/VN7640, connect to the gateway box, open CANalyzer and CANape projects in the upper computer, check the sending and receiving relationship of messages in the trace window, observe the values of variables in the CANape project, and tighten EPS samples to check for assistance;  5. Edit and publish test reports, package gateway box hardware, and deliver to customers; |
| China Soft International Technology Services Co., Ltd. is stationed at Huawei Technology Co., Ltd | 2020.07-2021.07 | Huawei Intelligent Automotive Project - Behavior Modeling Tool Testing  1. Participate in the requirement analysis of tool HAS behavior 1.0, develop and review test designs;  2. Grasp the functional and non functional requirements of the tool, conduct Simulink analysis, Can message sending and receiving when necessary, and write 241 text use cases in half a year;  3. Participated in and automated text use cases for the HAS Studio Behavior1.0 project, collaborated with the team, and wrote 991 automation use cases using Java language within half a year. Statistically analyzed the effectiveness of automation implementation and conducted CI automation use case failure analysis, improving the automation rate by 90%;  4. Iterative exit regression testing to ensure project delivery rate;  5. Write a blog post for the community, summarize work, output 21 articles in half a year, and share with colleagues in the group to improve testing efficiency;  6. Conduct 4 rounds of behavioral modeling tool data testing every half year to ensure timely follow-up of data and facilitate the smooth use of tools by customers to build models; |

# **Internship**

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| Shanghai Paixiangxiang Network Technology Co., Ltd | 2020.01-2020.06 | 1. Write and execute test cases;  2. Responsible for functional testing and automated testing of the iterative version of taptouch\_cp;  3. Submit the discovered bugs to the Zen system;  4. Familiar with the use of adb software, writing Linux scripts, appium testing tools, and Python testing frameworks;  5. Perform regression testing on high incidence modules of project bugs, and output test reports; |
| Shanghai Xinsheng Electronics Co., Ltd | 2019.07-2019.12 | Tool Assistant Engineer  1. Learn assembly language, write PIC or C language routines to test and verify tool software, and learn shell to write simple scripts;  2. Familiar with hardware, download programs into hardware, and test hardware functionality;  3. Responsible for organizing tool materials, translating and modifying documents; |

# **Campus Projects**

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| IDA disassembly analysis | 2018.08-2019.01 | 1. Solves the problem of extracting C underlying tool functions from the assembler  2. Look at the assembly code, find the input function, understand the offset of the structure, and then translate it into C code and compile it in the Cygwin environment  3. Serve as the team leader in this project, design unified interfaces and parameters, be responsible for project management and coordination and communication, and complete the work according to the sample given by the engineer |
| DWT-based image compressor digital watermarking | 2019.03-2019.05 | 1.Learn to use matlab software  2. Study discrete wavelet transform algorithm  3.Parses, compresses, and generates a specific watermark on the image |

# Campus Practice

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| Volunteer of the Shanghai International Sourcing Conference in China | 2017.09.21-2017.09.23 | 1. Responsible for the docking, procurement and completion of orders  2. Use simple spoken English to communicate and communicate with foreign friends |
| Software Association | 2017.10-2018.06 | 1. Responsible for the promotion of the association, the absorption of new members and short-term training for new members  2. Organize personnel to assist the Publicity Department to do a good job in publicizing the activities of the association inside and outside the school  3. Cooperate with the practice department to jointly do a good job in planning |

# Hobbies

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| Reading, fitness, visiting Github, Stackoverflow sites |