Tianjun Zhou

RESUME

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| **Adresse:** Jülicher Straße 55, 52070, Aachen | **Email:**[himmel.jun@gmail.com](mailto:himmel.jun@gmail.com) |
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| **Telephone:** +49 (176) 3079 6445 |  |
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PROFESIONAL **EXPERIENCE**

Contribution for User Interface Team

* Support feature development with providing speech recognition buffers
* Define buffer generation process
* Create script with bash, batch and python for task handover
* Analysis and fix bugs for recognition issues

Contribution for QA team (Quality Assurance)

* Working as proxy between different QA teams, helping clarifying tasks between different QA teams
* Checking coverage of functions based on specification
* Working in an agile team
* Executing manual functional test
* Maintaining ECUs, providing functional ECU to support feature development
* Updating software on ECUs. Including our latest build, costumer’s latest release and navigation data etc.
* Assuring software quality for release activities, including bug fix verification, feature implementation verification, performance test etc.
* Supporting cloud feature development with organizing testing sessions
* Writing script to support different activities in QA team
* Take part in communication with china team
* Participating in code review

Contribution for test automation group

* Design test cases for implementing automatic test based on internal ARTT framework
* Design and develop End-To-End test automation suite
* Fix failed tested cases to fit the development of software
* Search solutions for building up test automation suite

Contribution for sales team

* Present company’s Chinese Demo on different customers’ sites for sales activity

**Nuance Communication Deutschland GmbH**

Jan 2017 – Present

**Title**: Development a GPS Aided Multiple Objects Video Tracking System

**Description**: Generated a hierarchical framework to perform multi-people tracking. Including people detection along with other optimization approaches at the top level to generate reliable trajectories and regard the tracking issue as matching problem in the deeper layer, for which Hungarian Algorithms was utilized to get a global optimal matching result with the help of GPS information.

**Development for Vehicle Infotainment System** with more than 2 years of experience in the professional service team at Nuance, providing powerful and reliable speech recognition software to improve user experience of in car infotainment system. Have good overview of speech relevant functions on ECU and have good understanding about their workflow. Very familiar with German culture and owns communicate skills close to natives. Technical academical background for programming and engineering. Owns German green card. Works very solution oriented and self-organized and have strong sense of responsibility

**EDUCATION**

**MATER THESIS**

Computer Engineering, Minor in Computer Vision – Leibniz Universität Hannover, Germany, 2012

Main courses:

* Computer Vision
* Tracking and Matching
* Mustererkennung(Pattern recognition)

Electronic Engineering, Minor in Electronic and Information technology – Tongji University, China, 2007

Main Directions

* Programming and software engineering
* Principle of (tele-)communication
* Embedded system
* Information theory and processing

**OBJECTIVE**

**SKILLS**

**INTEREST**

* Dance
* Photograph

**LEADERSHIP**

**Calligraphy group of Tongji University**

Oct 2007 – June 2010

* Organizing weekly internal activities for group members.
* Teaching calligraphy for beginners
* Leading event organization to present calligraphy works to external students

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**Student Union of Tongji University**

Oct 2007 – June 2009

* Assist organizing and holding event, e.g. football tournament, concert etc.
* Recruiting new members and human resource document management

**INTERNSHIP**

**Technicolor**

Nov 2013 – Dec 2014

Intern at R&D department

* Enhance the understandings of scenes in the film based on objects and their relationships in the scene
* Developed an algorithm help determining the optimal number of superpixel with given contour information

**Institut for Informationsverarbeitung**

Oct 2012 – April 2013

Research assistant

* Assisting artificial neural network algorithm related research work

**[Casco Signal Ltd.](https://www.bloomberg.com/research/stocks/private/snapshot.asp?privcapId=83532714)**

Sep 2011 – Dec 2011

Internship for IT department

* Intern to assist implementing domain control strategy

**Language Proﬁciency**

* Chinese – Mother Tongue
* Germany – Professional Proﬁciency
* English – Professional Proﬁciency
* Spanish – A1
* Japanese – A1

**Programming Skills**: Python, Matlab, C++, Java, bash scripting, batch scripting

**Computer skills:**

* Operation systems: Windows, Linux
* Issue tracking: JIRA
* Version control: Perforce, Github
* Office software: Microsoft Office, including Word, Excel, Visio etc.
* Text editor: Notepad++, Vim

**Other skills:**

* Organization, Communication, Self-motivated, Team-oriented, Responsible, Productivity, Problem- solving oriented, Multilingual, Optimistic