

Tianjun Zhou

R E S U M E

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O B J E C T I V E

Engineering for Infotainment System with more than 2 years of experience in the professional service team at Nuance, providing powerful and reliable speech recognition software for automobile industry. Experienced working on ECUs. Technical academical background for programming and engineering. Very strong organizational, and communication skills. Works very solution oriented, self-organized.

E D U C A T I O N

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

M A T E R T H E S I S

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.

P R O F E S I O N A L E X P E R I E N C E

Nuance Communication Deutschland GmbH

Jan 2017 - Present

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 in an agile team
- ✓ Execute manual functional test
- ✓ Support developers and other test sessions with providing functional ECU
- ✓ Update software on ECUs. Including our latest build, costumer's latest release and navigation data etc.
- ✓ Assure software quality for release activities, including bug fix verification, feature implementation verification, performance test etc.
- ✓ Support cloud feature development with organizing testing sessions
- ✓ Write script to support different activities in QA team
- ✓ Take part in communication with china team

Contribution for test automation group

- ✓ Design test cases for implementing automatic test based on internal ARTT framework
- ✓ 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

SKILLS

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

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 für Informationsverarbeitung

Oct 2012 - April 2013

Research assistant

- ✓ Assisting artificial neural network algorithm related research work

Casco Signal Ltd.

Sep 2011 - Dec 2012

Internship for IT department

- ✓ Intern to assist implementing domain control strategy

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

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

INTEREST

- ✓ Dance
- ✓ Photograph