



Ming CHEN

Gender: Male

Native Place: Zongyang County, Anhui Province, China

Email: chenming317@yeah.net

Personal Homepage: <http://www.chenm.me/>



EDUCATION BACKGROUND

-
- | | | |
|-------------------|-----------------------------------------------------------|----------------------------|
| ◇ 2015.09—2018.06 | Southeast University | Master Degree |
| | Major: Control Science and Engineering | GPA: 3.82/4 ranking: 4/127 |
| ◇ 2006.09—2010.07 | Anhui University Of Technology | Bachelor Degree |
| | Major: Measurement and Control Technology and Instruments | GPA: 3.89/4 ranking: 1/102 |

SKILLS

-
- | | |
|-------------------------|---------------------------------------------------------------------------------|
| ➤ Language Skill | |
| ◇ English | IELTS(Overall:6.5, L7.0,R7.5,W6.0,S5.5), CET6(561), CET4(605) |
| ◇ Computer Skills | |
| ◇ Programming Languages | C/C++, Matlab, Java, Python |
| ◇ Software | Matlab, SolidWorks, VS2015 |
| ◇ Platforms | Linux, Windows, Android, MTK, QCOM |
| ◇ Scope of knowledge | Data structure and algorithms, Operation System, Database, ML, Keras/Pytorch/TF |

PUBLICATIONS

-
- **CHEN Ming**, GAN Yahui, DAI Xianzhong, DUAN Jinjun, PAN Jianlong . Design of Trajectory Tracking System for Industrial Robots Based on Impedance Control. In Proceedings of the 12th China Intelligent Robot Conference (CIRC), 2017.(*In Chinese*)
 - Pan Jianlong, Gan Yahui, **CHEN Ming**, Dai Xianzhong. Initial Welding Point Selection and Optimal Trajectory Planning for Multi-Robots Cooperative Welding Systems. In Proceedings of the 36th Chinese Control Conference (CCC), 2017. (*In Chinese*)
 - Duan J, Gan Y, **Chen M**, et al. Adaptive variable impedance control for dynamic contact force tracking in uncertain environment[J]. Robotics & Autonomous Systems, 2018, 102:54-65.
 - Jinjun D, Yahui G, **Ming C**, et al. Symmetrical adaptive variable admittance control for position/force tracking of dual-arm cooperative manipulators with unknown trajectory deviations[J]. Robotics and Computer-Integrated Manufacturing, 2019, 57: 357-369.

HONORS

-
- 2018 Excellent Master Graduate, School of Automation, Southeast University
 - 2016 The 13th National Post-graduate Mathematical Contest in Modeling
 - National Second Class Prize (team leader)
 - 2016 The First Prize Scholarship for Postgraduate
 - GPA: 3.82/4, ranking: 4/127
 - 2015 The Second Prize Scholarship for Postgraduate
 - Entrance total score ranking 3/56. Preliminary exam score: 383/500. Second exam: written(105/150), interview(129.7/150)
 - 2010 First Prize Scholarship
 - Average score: 87.96/100 (required courses)
 - 2009 The 4th National College Student "Freescale" Cup Smart Car Contest
 - First Class Prize in Anhui Province, Second Class Prize in East of China
 - 2009 The Baogang Scholarship
 - 8 quotas in whole university, the best scholarship for outstanding students at AHUT
 - 2009 Special Prize Scholarship
 - Average score: 93.34/100 (required courses)
 - 2008 National Scholarship



- 2 quotas in whole school, the top 0.2% students of the Chinese universities
- 2008 Special Prize Scholarship
 - Average score: 93.92/100 (required courses)
- 2007 Special Prize Scholarship
 - Average score: 92.1/100 (required courses)

WORKING EXPERIENCES

- **2013.08—2015.08 Hoperun Technology Corporation, Nanjing**

Developing smart phone drivers, analyzing and locating the performance issues of mobile phones based on QCOM / Android platforms. Specifically, including the development and maintenance the driver software of Android phones' TP, WIFI, Camera and so on, and responsible for analyzing the performance and stability problems as a member of Sony Mobile MIB group. Participated in the project of many mobile phones, tablets of SONY, TCL and so on.
- **2010.07—2013.07 Arima Communication Corporation, Nanjing**

Developing function test software and drivers for mobile phones based on MTK / Android platform. Specifically, including the development of calibration tool, function test tool, and the drivers for Camera, TP, LCD and so on. Participated in the project of many mobile phones, tablets of SONY, MOTO and so on.

RESEARCH EXPERIENCE

- **2018.08—Present Dept. of Computing, The Hong Kong Polytechnic University, Hong Kong, China.**

Research Assistant, supervised by Prof [Lei Zhang](#). Working on a Surround View Monitoring system based on MATLAB/OpenCV/Android, and using OpenCL/NEON technology to optimize the algorithm when tested on the embedded platform FireFly/RK3399. And based on Tensorflow object detection API to detect vehicles/person/traffic lights in a traffic scene.
- **2016.04—2018.03 Research on Trajectory Planning and Position/Force Coordination Control in Multi-robot Cooperative Welding System (National Natural Science Foundation of China)**
 - ◇ Saddle-shaped curve trajectory planning for dual robot collaboration system based on oriented to operated objects
 - ◇ Modeling of dual robot cooperative control system based on symmetric architecture
 - ◇ Robot position/force coordinated control based on impedance model
- **2015.09—2016.03 The Software System Design of the Robot's Teach Pendant Based on WinCE**
 - ◇ Developing the UI and logic function of teach pendant based on WinCE 6.0 and DUILIB

QUALIFICATION CERTIFICATE

- National Computer Rank Examination level 2(C Language), level 3(Database Technology), level 4(Database Engineer)

INTERESTS

- Swimming Mini Marathon Fishing Reading

SELF EVALUATION

- Honest and responsible, have a strong ability to learn and progress
- Have a strong time concept and execution power, and high self-demanding
- With nice personality and be able to work well with others