
Ruoheng (Harley) HUANG

Nationality: Chinese
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EDUCATION

09/2007-06/2009: **Erasmus Mundus European Master of Science in Computer Vision and Robotics**
(VIBOT)

Jointly studied and awarded under European Union's Erasmus Mundus Program by:

Heriot-Watt University (Edinburgh, UK)

Universitat de Girona (Girona, Spain)

Université de Bourgogne (Le Creusot, France)

Thesis: Hidden Markov Modeling of Digital Wireless Channels

Main subjects: DSP, Software Engineering, Data mining and machine learning, Pattern Recognition, Real-Time Image Processing, Autonomous Robots, Fundamentals on Robotics.

09/2003-07/2007: **Bachelor of Engineering in Telecommunications**
University of Electronic Science and Technology of China (UESTC) (Chengdu, China)

GPA: 3.64/4.0

Thesis: Trust-based routing algorithms research in the Ad Hoc network

Main subjects: Circuit analysis, Information theory, Analog, Integrated and Digital logic circuit, Signal and System, Communication principle, Microcomputer system, TCP/IP.

ACHIEVEMENTS

2007-2009	*Erasmus Mundus Scholarships	European Commission
2003-2007	*UESTC Scholarships	UESTC
2006	*National English Contest for College Students Second Prize	China
2004	*Excellent College Students Union's Student Leader Award	UESTC
2007	*Excellent bachelor dissertation Award	UESTC

PROFESSIONAL SKILLS

Chinese	Mother tongue
English	Advanced (IELTS 7.0: L7.5 S7 R7 W6)
Spanish	Basic
Computer	C++, MATLAB, AutoCAD, OrCAD, MS Office, PC assembling
Driving	Chinese Driving License Category C1 (Equality of European Category B)

WORK EXPERIENCE

- 09/2008-present **The Student Representative** **VIBOT, France**
I am the main contact point for School-wide issues. Serving the classmates on kinds of topics such as: applying for the French residency permit, compiled and edited the essays of all the class. Represent students at the teaching committees to feedback on the lectures and suggestions. Achieved good reputation and feedback from teachers and classmates. Leadership experience and serving skills earned.
- 09/2004-09/2005 **Chief Editor of the College newspaper** **UESTC, China**
Managed the manpower and coordinated with the supervisor for editing and publishing the newspaper, She Tian Lang. Good practice of information collection and analysis achieved
- 07/2004-08/2004 **Intern** **Chengdu Si-Fang Corporation, China**
Intern in an Electronic-Equipment Factory. Held different positions such as assembly and QA in the factory under the guidance of engineers. practiced team work skills and communication skills.
- 09/2003-06/2007 **Student Representative** **UESTC, China**
I Won the election for continuous four years as a member of the class representatives committee. Mainly in charge of the class financial accounts. The class was awarded the Outstanding Class of UESTC in 2004. Good experience of financial management earned.

STUDENT PROJECTS EXPERIENCE

- 09/2008-12/2008 **A team project on Medical Image processing software** **VIBOT**
Developed a system on the post-processing of a MR examination of the prostate gland under Matlab. Provided several examination functions as well as the user friendly interface and user menu. Good project developing experience as well as presentation skills achieved.
- 09/2008-12/2008 **A team project on Pocket 3D-Scanner** **VIBOT**
Developed a handy 3D-Scanner with a PDA under Matlab. Achieved good 3D reconstruction results. Good team work skills achieved.
- 02/2008-06/2008 **A team project on Real Time Image processing using Handel-C** **VIBOT**
Developed a hand tracking and finger counting algorithm in real-time by using Handel-C under a provided PCB developing board. Achieved accuracy performance. Good embedded system developing experience achieved
- 02/2008-06/2008 **A team project on Autonomous Robots project** **VIBOT**
Worked on E-puck, a small vehicle-robot, controlling robot by pre-programming on board using Webots - robot simulator. Succeed in Obstacle avoidance and Map localization tasks. Good team work skill and robotic knowledge achieved.
- 10/2007-02/2008 **An individual project on Image processing toolkits using C++** **VIBOT**
Designed an image processing software toolkits by using C++ under Linux. Included the functions: image capturing, watermarking, image restoration and image resizing, etc. It is a creative research with high mathematic requirement. Good software developing skill and project management experience achieved.
- 03/2006-06/2006 **An individual Electronic design project** **UESTC, China**
Designed two voice controlled light systems by using OrCAD. Assembled and debugged the systems with basic analog and digital instruments such as analog and digital signal generator, frequency spectrum analyzer, carried out 10,000 words report. The highest score achieved in the course: Synthetic of Experiments of Modern Electronic Technology.

References available upon request