

Chao Huang

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EDUCATION	Master of Computer Science	Clemson, SC, Graduation: May 2015
	<ul style="list-style-type: none">Database Management System (A), Computer graphics images (A), Computer Theory (B)Database Management System Design, Case Study in Operating Systems, Design and Analysis of Algorithms	
	Master of Biomedical Engineering	Southeast University, Nanjing, China, Graduation: May 2013
	<ul style="list-style-type: none">Specialty: Statistics analysis and algorithm construction in BCI systemHonors: National Graduate Scholarship (2010, 2011); Rank second in institutional Paper Competition and Best Oral Presentation Prize for the last two years	
	B.S. of Biomedical Engineering	Southeast University, Nanjing, China, Graduation: May 2010
	<ul style="list-style-type: none">Overall GPA: 82.6/100, Major: Rank 5 in class, Major GPA: 84/100Honors: First-class National Scholarship (2%, 2007); Alumni Scholarship (5%, 2006); Excellent students Prize (5%, 2008	
SKILL	Computer basic skills: C++ programming, Java, MATLAB, SPSS, MySQL, HTML, PHP, .Net	
	Other skills: Microsoft Word, Excel, PowerPoint, LaTeX	
PROJECT	Microcomputer Design, C51, Southeast University, China	Summer 2008
EXPERIENCE	Design for Human Impedance (I am the project leader for a four member group). We programmed the system to detect human impedance with the help of microcomputer. Created and arranged the work schedule for each member.	
	Library management system Design, C++, Southeast University, China	Summer 2007
	Completed a miniature of library management system (using C++ MFC platform). User can see all the books' state they want and their own records through this system. User can also finish the borrowing and sending procedure through this system.	
	Fisheye Picture, C++ & Linux & OpenGL, Clemson, SC, USA	Fall 2013
	Using OpenGL and OpenimageIO to processing the image. I finish a fisheye magnified function and a user-interact environment. User can drag the picture to any shape they want. At the same time, I add a bilinear method to make the picture looks smoother.	
	Hotel booking system design, Java+PHP+MySQL & Eclipses, Clemson, SC, USA	Fall 2013
	Make a combination between MySQL, PHP and Java. With the help of JSON technique, user can connect to a remote sever and show its result in an android application. User can see and select their favorite room and update the hotel database.	
	Mathematical model development Research, Southeast University, China	September 2010 to Jun 2013
	It is a project that use mixture factor analysis model to find the feature of EEG signal. A related paper was also finished titled Mixture factor analysis based probabilistic model for learning CSP and its application on EEG signal.	
	Signal processing Research, Bioelectronics lab, Southeast University, China	Summer 2009, 2010
	Effect of mobile phone electromagnetic field on human cerebral function (three members). We designed a remote controlled mobile device and analysis the result using statistics method. Finished a paper titled Effect of Mobile Phone Electromagnetic Field on Color Working Memory and applied for a Chinese patent (No.2011102912874)	
INTERNSHIP	Hospital Internship, Shenzhen LandWind medical Ltd. Co. Shenzhen, China	Summer 2012
	<ul style="list-style-type: none">Worked in the department of international marketing systemCollected and processing marketing data; trained sales staffsSolved marketing problems in sales and R&D department	
	Marketing Internship, ZhongDa Hospital, Nanjing, China	Summer 2010
	<ul style="list-style-type: none">Short period of internship in Rehabilitation, Urinary, Surgeon and Tumor Department respectivelySupplied and helped in communication between doctor and patientsParticipated some office administration works	
	Core Member , ping-pang and basketball teams of department	Sep, 2006 to June, 2013
	Team leader, Entrepreneurial Team named 'PROTECH'	October 2009 to June 2010
	President, student union in BME institution	September 2008 to June 2010
	Initiator, a campus English club	September 2011 to June 2013
LEADERSHIP	Volunteer, Beijing Olympic Games promotional activity	Summer 2008