Ke Ma

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EDUCATION

Aug.2014 – May.2016	**University of Wisconsin-Madison** Madison, WI
	Master of Science in Computer Sciences GPA: 4/4
	Courses: Operating Systems, Artificial Intelligence, Machine Learning, Computer Vision, Computer Graphics, High Performance Computing, Human-computer Interaction
Sep.2010 – Jun.2014	**Zhejiang University** Hangzhou, China
	Bachelor of Engineering in Biosystems Engineering
	Bachelor of Engineering in Industrial Design
	GPA: 3.98/4 (92.16/100) Major GPA: 3.99/4 (92.58/100) Ranking: 1/65
Sep.2013 – Dec.2013	**Singapore University of Technology and Design** Singapore
	Exchange Student in Information Systems Technology and Design GPA: 5/5

EMPLOYMENT

Sep.2015 – May.2016	**University of Wisconsin-Madison** Madison, WI
	Graduate Teaching Assistant in the Department of Mathematics
	Led discussion sessions. Held office hours. Graded assignments and exams.
May.2015 – Aug.2015	**Sony Creative Software** Middleton, WI
	Software Development Intern on Catalyst Edit Team
	Developed video effects based on OpenFX and OpenCL. Refined UI based on Qt.
Jan.2015 – May.2015	**University of Wisconsin-Madison** Madison, WI
	Graduate Research Assistant in UW Graphics Group
	Investigated methods to improve the legibility of robot arm motion.
Aug.2014 – Jan.2015	**Epic Systems** Verona, WI
	Software Development Intern on EpicCare-Ambulatory Team
	Developed a web-based patient timeline application and improved its usability.

AWARDS

Jun.2014	**Outstanding Dissertation for Bachelor's Degree of Zhejiang University**
May.2014	**Graduate with Honors of Zhejiang Province** (Top 5%)
2011, 2012, 2013	**National Scholarship** (Top 2%, 3 Times)

PROJECTS

Sep.2013 – Jun.2014	**3D Scanning and Parameter Extraction for Plants**
	Captured multi-view point clouds of the plant with Kinect. Combined them to construct the full point cloud. Extracted some meaningful structural parameters.
Dec.2013 – Jun.2014	**Fitting Robot and Virtual Fitting Room**
	Developed a sizable robot which can be deformed to fit various body-builds to try on clothes. Implemented the associated control system and user interface.

SKILLS

Language	**Mandarin** Native **English** Proficient **Japanese** Basic
Programming	**Java / C / C++** Proficient **C# / Matlab / HTML / CSS / JavaScript** Familiar
Operating System	**Windows / OS X** Proficient **Linux** Familiar
Other	**API** OpenGL/PCL/OpenCL/CUDA **Creative** Rhinoceros/3DS Max/Photoshop/After Effects