

# Jiaying Li

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<b>Contact Information</b>	E-mail: i@jiaying.li Mobile: +65 8685-1683 Addr: SUTD, 20 Dover Dr, 138682, Singapore	
<b>Research Interests</b>	<b>Program Analysis , Programming Languages, Operating Systems</b>	
<b>Education</b>	<b>ISTD, SUTD</b> , Singapore <i>Ph.D., Engineering.</i> Supervisor: Sun Jun	Sept. 2013 – July 2018 (expected)
	<b>College of Software, Nankai University</b> , Tianjin, China <i>Bachelor of Engineering, Software Engineering</i>	Sept. 2007 – July 2011
<b>Working Experience</b>	<b>Research Assistant</b> , ISTD, SUTD	July 2013 - Sept. 2013
	<b>Research Assistant</b> , ICT, CAS, Beijing	Mar. 2012 - Jun. 2013
	<b>Internship</b> , Trend Media Corporation Limited., Beijing	Oct. 2011 - Jan. 2012
	<b>Internship</b> , Sun Micro systems, Inc. (China)	Oct. 2009 - Jan. 2010
<b>Research &amp; Projects</b>	<b><i>Research on Operating Systems</i></b> <ul style="list-style-type: none"><li>• Researched on LINUX kernel code, version 0.11 and 2.6.18.</li><li>• Designed and implemented a micro-kernel operating system. Focused on the kernel parts.</li><li>• Wrote my undergraduate graduation thesis based on it.</li></ul> <b><i>Filesystem based on FUSE</i></b> <ul style="list-style-type: none"><li>• Designed and implemented a filesystem based on FUSE. Realized most filesystem call functions.</li></ul> <b><i>Linux Mini Shell Interpreter</i></b> <ul style="list-style-type: none"><li>• Simulated bash behavior, and developed a mini shell interpreter covering most of bash functions.</li><li>• Extended it by providing network support to local file system commands.</li></ul> <b><i>Resource Sharing Software in LAN based on P2P</i></b> <ul style="list-style-type: none"><li>• Developed the data transferring module, and researched on how to accelerate the transferring spend.</li><li>• Through implementing a reliable service on UDP instead of TCP to avoid its complexity.</li></ul>	
<b>Honours and Awards</b>	SUTD Presidents Graduate Fellowship, SUTD, Sept. 2013 First Prize National Fellowship, Nankai University, Oct. 2010 National Scholarship (top 1), Ministry of Education of P.R.China, Oct. 2009 National Encouragement Scholarship (top 5), Nankai University, Oct. 2008 Second Prize National Fellowship, Nankai University, Oct. 2007	