Peng Liu

Software Engineer,
Mobile Developer

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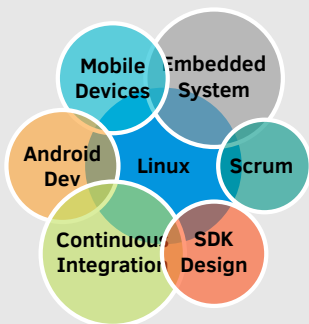+358 41 7086 582

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Skills

- Mobile Devices
- Embedded System
- Android Dev
- Linux
- Scrum
- Continuous Integration
- SDK Design

Interests

Software Engineering

Networking Protocols

Embedded systems

Continuous Integration

Education

2011 - 2015	**MSc., Communications Engineering**	Aalto University
	Helsinki, Finland	
	GPA: 4.04/5, Completed with Distinction	
2007 - 2011	**BEng., Electronic and Information Engineering**	Xiangtan University
	Xiangtan, Hunan, China	
	GPA: 3.51/4, Ranked 1/76	

Research

June 2012 - Dec 2012   **Research Assistant**   University of Helsinki

- Participated in the Internet of Things project, set up frameworks on Linux to evaluate different protocols over Internet of Things.
- Participated in the WiBrA project, updated the implementation of routing protocol in Linux kernel and user-space, tested in operator netowrkswith mobile platform, which helped me to gain much experience of IPv6 signaling.

Experience

Jan 2013 - Present   **Software Engineer & Mobile Developer**   Tuxera Inc.

- Worked in a agile team of 8, finished the design and implementation of the DLNA protocol stack for the AllConnect SDK on both Android and iOS platforms, implemented and released the AllConnect App in Google Play Store and iOS store. Now the app has accumulated over five million downloads and was selected as the 2017 Innovation Award Honoree in software and mobile apps section.
- Worked independently on debugging and improving the open source DLNA media server on Linux, ported it to both ASUS-WRT and Android platform. Improved binary passed the DLNA media server certification test suite and UPnP test suite.
- Finished my master thesis based on the AllConnect project, implemented and integrated cross-platform multimedia streaming technologies, such as DLNA, Chromecast, Fire TV and AirPlay, in commercial mobile application product.

Sep 2012 - May 2013   **Project Developer**   Aalto University

- Worked in a team of 9 people with various background. The indoor positioning project was funded and supported by Ericsson and Aalto University. The indoor positioning prototype was built using WiFi fingerprint technology and the final product is an Android application, an Android calibration tool and a positioning engine with room-level accuracy.

Dec 2011 - Jan 2013   **Head of Services**   CSSA-Espoo ry

- Worked as the head of services in the Chinese Students and Scholars Association of Espoo to organize school level events.

Nov 2010 - Jan 2011   **Research Assistant**   Xiangtan University

- Lead a team of 2, participated in the 2011 National NI virtual instrument contest, created a CDMA communication teaching system using NI LabVIEW 2010.