# Liu Chang

email: toliuch@gmail.com
phone: +86 186 1031 6704

**OBJECTIVE**  Obtain a project management position that can maximize my management skill, quality assurance, software design, and training experiences.

**EXPERIENCE**

**Senior SW Engineer / Project Coordinator**                    2012.1 - present
Nokia, Microsoft

- Accomplished a lot of development tasks, including: porting .net to Nokia mobile phone, optimized smarterphone framework and middleware, added some components / features, and fixed many bugs on Nokia mobile phones.
- More than a developer
  - Coordinated the developers, testers and UX (user experience) designers to implement 3 new features.
  - Launched an integration test project to guard code changes with scheduled tests in CI (continuous integration) system;
  - Served some lectures about CBD (contract based development) and TDD (test driven development) via practical examples;
- All these works resulted in a Nokia AA (achievement award, given to less than 10% people);

**Project Manager**                    2008 - 2011
Elektrobit

- *AUTOSAR Technical Support*: 2011
  Provided pre-sales technical support and turned out to win an order of AUTOSAR base software together with development tools. The deal encouraged our boss to pay bonus even when I was leaving.
- *City Safety (Automotive ECU)*: 2010 - 2011
  Coordinated EB experts, customers, IT supports, and managers. Involved to integrate software modules into OSEK OS, including CAN stack, IO driver, bootloader, and XCP;
- *HMI and ECU trainings*: 2010
  Organized and received 2 trainings about HMI design and OSEK/AUTOSAR.
- *TMT (Test Management Tool)*: 2008 - 2009
  Led the project in customized agile way, to create a web based test management tool that supports test planning, execution and reporting. The team was distributed in 2 cities, and included 10 software engineers who came from Finnish, India and China. The project met the schedule by updating the server online every 2 weeks.

**Software Engineer**                    2005 - 2007
Elektrobit

- *TMT (Test Management Tool)*: 2006/04 - 2007/12
  I launched the project and worked as the core developer, also drove the project in agile way.
- *Chiron*: 2005/04 - 2006/03
  Testing several smart phones and supported the team with OMA materials. The project validated some Symbian phones.

**Software Engineer**                    2000 - 2002
Several Companies

- *VoIP Fee*: 2002/04  2002/08
  The project developed a GUI application, which is, at the same time, a billing server that handles dozens of IP phone calls. Multi-thread is used to provide good response to the end user and the VoIP gateways as well.
- *Search Engine (front end)*: 2001/02 – 2001/08
  The project makes scalable cluster of full text retrieve servers, and provides load-balance for the search requests from Internet.
- *Image Processing*: 2000/04 - 2000/09
  Designed and implemented an image compression algorithm in C/C++ for embedded device. Developed a pre-processor, as the first step, to recognize vehicle lisence number and human finger-print.

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| **EDUCATION** | *Master of Science,* Computer Science, BeiHang University, | 2002 - 2005 |
| | *Bachelor of Science,* Mathematics, ShanDong University | 1996 - 2000 |

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| **TRAININGS** | *6 Trust based communication habits*, AMA | 2013.8 |
| | *PMI PMP*, provided by tsinghui, | 2010.6 |
| | *Certificated Scrum Master*, Mishkin G. Berteig | 2009.3 |

**SKILLS**

**Programming Languages**: C/C++, Java, Javascript, XML/Html, Makefile, WAF, CSS, Shell, Perl, Python, SQL, Scheme

**Development Method**: Object-Oriented Programming (OOP), Event-Driven Programming, Functional programming, Test-Driven Development (TDD), Design Pattern

**Operating Systems**: Linux, Windows, Nokia OS, OSEK-OS

**Tools**: WBS/Excel, MS Project, Trac, GanttProject, vTiger (CRM), EB 6100, EB tresos Studio, Lauterbach debugger, EB tresos Inspector.

**PERSONAL INFO.**

*Nationality*: China
*Date of Birth*: 1978.11.22
*Willing to re-locate*: Yes
*Gender*: Male