

Ou Changkun

Munich, Germany

Last update: June 5, 2017

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changkun.us/about

EDUCATION

- **University of Munich** Munich, Germany
Master of Science in Human-Computer Interaction Oct. 2016 – Present
- **Southwest University for Nationalities** Chengdu, China
Bachelor of Engineering in Computer Science; GPA: 3.74/4.0 (1/154) Sep. 2012 – Jun. 2016

WORK EXPERIENCE

- **Shiyanlou** Chengdu, China
Software Engineer (Intern) Jun. 2016 – Sep. 2016
 - **shiyanlou-logsys**: Built & maintained ELK+Redis distributed log analytics system;
 - **shiyanlou-desktop**: Developed a cross-platform Electron Windows/macOS/Linux desktop client;
 - **shiyanlou-recosys**: Developed a course recommendation system based on collaborative filtering through Python;
 - **shiyanlou-courses**: Wrote 17 course crash and advanced tutorials for C++ users.

PROJECTS

- **Open Source Projects**: github.com/changkun

SKILLS

- **Languages**: python; javascript; c; c++; obj-c; swift; markdown/pandoc; \LaTeX ; Native Chinese Speaker; Professional Fluent English; Elementary German
- **Systems/Tools**: Mac user; General Linux DevOps; Docker; AWS/DigitalOcean/Aliyun; SQL/MongoDB; zsh/tmux/vim/vscode
- **Frameworks**: numpy/opencv/matplotlib/sklearn/tensorflow, flask, jquery/react/vue/polymer/electron
- **Knowledges**:
 - **Human Side**: Human-Computer Interaction; User Study; User Experience; Product Prototyping; Human Computation; Social Psychology
 - **Machine Side**: Machine Learning; Recommendation System; Big Data Mining; Computer Vision; Distributed Computing; Compiler Technique; System Architecture
 - **Mathematics**: Functional Analysis; Stochastic Process; Analytic Number Theory; Formal Logic; Differentiable Manifold

PUBLICATIONS

- Changkun Ou. The Fastest Guide of C++11/14. 2016, [Simplified Chinese](#), [Source Code](#)
- Changkun Ou, Yaxi Chen(responsible professor), Andreas Butz(co-reviwer). Designing Alternative Contact-free Control Modalities for Smart Watches. 2016, Bachelor Thesis. [Simplified Chinese](#), [English](#)
- Changkun Ou. Mathematical Modeling Tutorial (Mandarin Chinese Video Series. 2016, [YouTube Playlist](#)
- Changkun Ou, Yaxi Chen. Combining Touch Biometrics and Motion Sensors for Hand Posture Recognition and User Authentication System. Journal of Southwest University for Nationalities(Nature Science Edition). 2016, 42(4):429-435. [Simplified Chinese](#)
- Changkun Ou, Zhaoyang Guo, Yaxi Chen. Space interactions based on monocular vision and simple gestures. Journal of Southwest University for Nationalities(Natural Science Edition). 2014, 40(16):871-876. [Simplified Chinese](#)
- Changkun Ou, Mu Huang, Mengxin Shi, Jiang Cheng. A Study in Keep-Right-Except-To-Pass Rule. 2014, MCM Meritorious Winner [English](#)