Ou Changkun

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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/skearn/tensorflow, flask, jquery/react/vue/polymer/electron, node/express

- **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 and Proof

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