Yumeng HOU

GitHub:	https://github.com/renie26
Homepage:	https://renie26.github.io/homepage.github.io
LinkedIn:	https://www.linkedin.com/in/yumeng-hou-85053334

Professional Experience

Doctoral Assistant, EPFL-DHI-EMPLUS, Lausanne, Switzerland — **2020.10 - now**

Creative Tech Advisor, _box Interaction, Hangzhou, China — **2019 - 2020**

- Lead technological solutions in the projects of immersive spaces, interactive installations and exhibitions.

Product Manager, Alibaba Cloud, Hangzhou, China — **2017 - 2019**

- Design and manage the RTC/WebRTC cloud services. Manage the R&D project collaborating with 30+ experts.
- Manage the CDN-based live streaming cloud services and the media analytics tools.

Digital Consumer Analyst Intern, Procter & Gamble, Geneva — **2016 - 2017**

- Designed and implemented an automated workflow to visually report critical business KPIs.
- Finalized and documented a CRM algorithm prototype to enhance the ROI of automated email campaigns.

Research Assistant, the State Key Lab of CAD&CG, Zhejiang University — **2013 - 2015**

Education

Master of Science in Computer Science, EPFL — **2015 - 2017**

- ***Dissertation***: Visualizing Personal Nutrition Intake and Emotions

Bachelor of Engineering in Digital Media Technology, Zhejiang University — **2010 - 2014**

- ***Dissertation***: Visualizing Topic Evolutions in Wikipedia

Exchange Study at Dept. of Computer and Systems Sciences, Stockholm University (GPA: A) — **2013 - 2014**

Publications

- DimScanner: A Relation-based Visual Exploration Approach Towards Data Dimension Inspection, *IEEE VAST [pdf]*
- Visualizing Rank Time Series of Wikipedia Top Viewed Pages, *IEEE CG&A, IEEE VIS 2016 Fast Forwards [pdf]*
- Visualizing Topic Evolutions in Wikipedia, *PacificVis 2014 Poster*
- A Visual Analysis System for Event Detection from Network Log Data, *IEEE VAST Challenge 2013 Entry [pdf]*
- Invention: An analysis method of multidimensional data *(No. 15840696, 201707) [link]*

Selected Projects

Hibachi – the First Elegant Connected Self-heating Lunchbox *[website]*

Web-based Interactive Visualization of MOOC Clickstream Data

SPARK - Your Personal Stress Management Coach *[demo]*

<Natural Origins of The Internet> – Artistic Storytelling with Data Visualization, Installation Art *[demo]*

AquA – A Virtual Aquarium Motivating Knowledge Sharing in Médecins Sans Frontières (MSF) *[demo]*