Zellux Wang

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Working Experience

2017–current   **Senior Software Engineer at Uber ATG**, *Perception*.

2015–2017   **Senior Software Engineer at Uber**, *Uber Eats, China Growth*.

2013–2015   **Software Engineer at Facebook**, *Feed Content Ranking*.

2012   **Summer Analyst at Morgan Stanley**, *E-Trading Infrastructure Department*.

2011   **Summer Internship at EMC Research Shanghai**.

Community

StackOverflow   `stackoverflow.com/users/111896/zellux`, *Reputation* **top 0.6%**.

Blog   `blog.yxwang.me`, *My tech blog (Chinese)*.

GitHub   `github.com/zellux`.

Patents

2014   **Systems and methods for recommending follow up content**, *US20160179968*, Published in 2016.

2014   **Systems and methods for ranking and providing related content**, *US20160162487*, Published in 2016.

2015   **Presenting video content to online system users in response to user interactions with video content presented in a feed of content items**, *US20160330524*, Published in 2016.

Project Experience

2016   **Eats Discovery**, *Go*, Uber.
Built ranking and recommendation system for Uber Eats, including storefront ranking, store recommendation carousels, menu ranking / recommendations, and dish recommendation carousels. Built a scalable system that can handle increasing QPS (3x in 6 months) with growing features.

2015-2016   **China Commute**, *Go, Python*, Uber.
Backend tech lead. Built systemic approaches to improve commute driver engagement and dispatch quality. One of the projects I proposed and implemented increased key metrics by **4x** in 5 months.

2015   **Realtime Collaborative Filtering Service**, *C++*, Facebook.
Implemented a distributed realtime service to find best targeting audiences for any popular story, and recommending stories for any audience group. It's running on a cluster with 16 machines and handles every single feed event for all users

2014–2015   **Related Videos**, *Hive, Hack*, Facebook.
Built initial version of related videos on Facebook feed.

2013–2015   **Related Articles**, *C++, Hive, Hack*, Facebook.
I built backend for feed related articles, including core recommender, feedback tracking, as well as infrastructure (logging / ranking / etc.).

2014–2015 **Interest Stories**, *C++, Hive, Hack*, Facebook.
Find high quality stories on Facebook and send them to most related audience. I worked on discovery and targeting pipeline, as well as an internal tool for human reviewers to further quality check.

2011–2013 **Bytepress**, *Ruby on Rails*, Tangcha Project.
I worked as part-time developer during my master's degree on Tangcha. Tangcha is an online ebook website and aims at providing high quality reading experience for Chinese readers. I built its backend including account and book management, mobile client synchronization, payment system, and dashboard for publishers.

2009–2011 **Cerberus**, *Xen, Linux Kernel*, Research Project.
Improving application scalability on many-core through virtualization. To mitigate contention on shared data structures within OS kernels, Cerberus clusters multiple commodity operating systems atop a VMM. I implemented its distributed file system, and memory management part to provide abstract file system and virtual memory to application running on top of it.

Education

2010–2013 **MS in System Software**, *Software School, Fudan University, Shanghai*.

2006–2010 **BS in Software Engineering**, *Software School, Fudan University, Shanghai*.

Publications

2011 Xiang Song, Haibo Chen, Rong Chen, **Yuanxuan Wang**, Binyu Zang, *A Case for Scaling Applications to Many-core Platforms with OS Clustering*, In 2011 ACM SIGOPS European Conference on Computer Systems (Eurosys'2011).

Awards

2012 **Most Creative Award of Morgan Stanley Summer Intern Team Project**.

2010 **First Prize in SAP Dashboard Competition**.

2010 **First Prize in Cloud Computing in Shanda Campus Master Innovation Contest**.

2010 **First Grade Scholarship for Graduates**.

2007 **First Place in Zhangjiang Cup, Dota Allstars**.

2006, 2008 **Second Place in Fudan E-sports Game, Starcraft**.

2005, 2004 **First Prize in National Olympiad in Informatics in Provinces**.