Xiangyue Zheng

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EXPERIENCES

Backend Engineer Intern, **Bytedance**, Beijing   05/2018 - 11/2018
- Founder of Bytedance ASE platform. The system increased user-content-review efficiency over 3 times of multiple products including Tiktok, TopBuzz, Toutiao, greatly reduced workload for relative engineers.
- Used Python Django, MySQL, HiveSQ, Thrift, Kafka, Vue.js, EChart.js, iView.

Software Developer, Abeyon, Virginia   11/2018 - 03/2019
- Communicated with customers, suggested potential new features and implemented for **The Topline MD** link

Software Engineer, **Sharpen Tech**, Xi'an   11/2016 - 08/2017
- Designed MVC architecture, user token system and interface layer of **The JSR 技术人** link.
- The platform provided an online portal for the local technology transferring contract (valued 80 million annually). Registered users over 5200 by end of 2018 for the first 6 months after the first version issued.
- Used PHP, HTML/CSS, JavaScript, jQuery, Vue.js, Redis, MySQL.

Software Engineer Intern, **MAKA**, Guangzhou   01/2016 - 04/2016
- Designed a Deployment Scheme which allows multiple QA environments exist under same domain, based on Git hook, Nginx wild-card matching. Increased QA efficiency, shortened product iteration cycle
- Designed and developed user hierarchical relation module for **MAKA** link, based on PHP CodeIgniter

PROJECTS

Graphics Render and Animation System (Graphics, Animation)   06/2018
- Built a CPU 3D render tool link, implemented the render pipeline, depth of field effect, etc. Used C++
- Developed an animation system link. Implemented Key-framing, Hierarchy Object, Collision Detection, Flocking system. Used C++, OpenGL

Productivity Tools (Web Applications)   05/2016 - 09/2018
- Designed and developed several software to increase work/study efficiency including
  - LyptonDoc link, a single-page rich context note system which allows user to write articles efficiently.
  - MeetingRoom link, a meeting room reservation system for SMEs to administrate meeting rooms resource
  - English Words Learning Tool link, which allows users to customize words library and use spare time to learn English words

Monocular 3D Pose Estimator link   11/2018
- Implemented a system which predicts 3D human joints position from 2D joints. Used Python, Human3.6M dataset, PoseNet
- Visualized data using Three.js in real time through UDP/TCP

EDUCATIONS

George Washington University   09/2017 - 05/2019 (Expected)

Master of Science in Computer Science   GPA 3.82/4.0

Sun Yat-Sen University   09/2012 - 06/2016

Bachelor of Science in Computer Science   GPA 3.50/4.0