Xiangyue Zheng

+1(202)7663792 zhengxiangyue@yahoo.com

EDUCATIONS

George Washington University   Sep 2017 - May 2019 (Expected)

Master of Science in Computer Science   GPA 3.85/4.0

Sun Yat-Sen University   Sep 2012 - Jun 2016

Bachelor of Science in Computer Science   GPA 3.50/4.0

EXPERIENCES

Abeyon, Virginia Software Engineer Intern   Oct 2018 - Present

- Developed and maintained **Topline MD**, a Miami health resource search platform. Used PHP, Javascript

ByteDance(Toutiao), Beijing Backend Develop Intern   May 2018 - Oct 2018

- Increased efficiency by over 300% for content audit assessment by building an automated, standardized platform which opens up a connection between HDFS infrastructure and the auditing platform
- Completed 25% ahead of schedule. Used Python Django, Vue.js, Webpack, MySQL, Kafka

Maka, Guangzhou Software Engineer Intern   Jan 2016 - Apr 2016

- Increased testing and developing efficiency by building a software deployment scheme in shell, based on git hook and Nginx Wild-Card
- Maintained and implemented new interfaces based on CodeIgniter

PROJECTS

Real-Time Face Slimming Filter (Machine Learning, Python)   Present

- Avoided "sudden mutation problem" using image morphing, triangle interpolation, CNN based facial feature detection

Graphics Rendering tool (Graphics, Animation, C++)   Feb 2018

- Utilized Perspective Transform, Z-buffer, Scan-line algorithms to build a basic **rendering tool**. Implemented illumination models, texture mapping and depth of field effect
- Designed an **animation tool**. Implemented spline, Euler angle, quaternion, hierarchy objects
- Developed a **facial motion capture toy**, used dlib, Python

Technique People (Social Media, PHP)   Mid 2017

- Designed and built the backend structure of a social application for a local government, providing an online communication platform for the local annual 8 billion technology transfer contract.
- Referred RESTful standard, used MySQL, Redis

Image Compression Component (Algorithm, Math)   Jan 2017

- Designed an image compression algorithm for self-organized network terminals based on discrete cosine transform
- Achieved compression ratio of 10 - 15 with good quality

Meeting Room Reservation System   Nov 2016

- Designed a pure software solution for SMEs, saved over 60% of time and 50% of cost for the company

Productivity Tools (UI Design, Web Apps)   Apr 2016

- Developed a single-page **rich text/markdown editor** to record learning notes, used jQuery, Flat UI style
- Developed an **English learning tool** to prepare for English exams. Allowed me to get 100+ TOFEL grades