WANG YAO

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🎓 EDUCATION EXPERIENCE

Peking University, Beijing, China | *2017 – Present*

M.D. in Computer Science (CS), expected in May 2020

Peking University, Beijing, China | *2013 – 2017*

B.S. in Center for Information Science(CIS)

♡ HONORS

Merit Student, Peking University | *2014 - 2015, 2015 - 2016, 2017 - 2018*

- Schlumberger scholarship

🔖 PUBLICATIONS

- Hu T, **Wang Y**, Chen Y, et al. Sobel Heuristic Kernel for Aerial Semantic Segmentation[C]//2018 25th IEEE International Conference on Image Processing (ICIP). IEEE, 2018: 3074-3078.
- Chen Y, **Wang Y**, Lu P, et al. Large-scale structure from motion with semantic constraints of aerial images[C]//Chinese Conference on Pattern Recognition and Computer Vision (PRCV). Springer, Cham, 2018: 347-359.
- **Wang Y**, Shattuck D, Saver J, et al. Abstract TP55: Spatio-temporal Flow Tractography (SFT) for Evaluation of Collateral Patterns in Acute Stroke[J]. 2017.

⚗ RESEARCH EXPERIENCE

Peking University, Beijing, China | *Sept. 2016 – present*

Student Researcher   Manager : Yisong Chen

- Implemented Non Maximum Suppression(NMS) and Snake algorithm in matlab, designed post process framework of Edge Detection network.
- Extensively engaged in research of Semantic Segmentation and Edge Detection. Designed a module call Sobel Heuristic Kernel(SHK), in order to enhance the performance nearby semantic contour areas.

University of California, Los Angeles California, America | *Jun. 2016 - Sept. 2016*

Summer Intern   Manager: Fabien Scalzo

- Developed a flow tractography visualization method for MR images
- Familiar with MATLAB image processing toolbox, especially image morphing and filtering.

👥 ENTERPRISE EXPERIENCE

Offpay Technology Co.,Ltd., Shenzhen, China | *July. 2018 – present*

CTO & Frontend Engineer

- Engaged in MVVM software developing pattern, practiced Vue.js in Wechat Miniprogram (mpvue).
- Made schedules and milestones for the 6-member team. Executed Scrum and Kanban agile development processes.

⚙ SKILLS

- Programming Languages: JS(vue.js), MATLAB, C++, Python(tensorflow), git, Wechat Mini program
- Languages: Mandarin (native), English (fluent), German (B1)