## Zhao Liu

Contact 2-4-602 zhaoliu1996@gmail.com Tonghuijiayuan Huiminyuan, Beijing 100001, China www.zhao-liu.com EDUCATION Jacobs University Bremen, Germany Aug. 2015 - June 2018 B.S. Computer Science, GPA: 1,90/5,00 (Reverse Scale) Carnegie Mellon University, Pittsburgh, PA, USA Aug. 2017 - Dec. 2017 Exchange Student, School of Computer Science Practical Software Engineering Intern, Infervision, Beijing Aug. 2018 - Present • Build a highly configurable deployment system for our server cluster (React.js, flask, docker) EXPERIENCE • Optimize fracture volume rendering based on series of CT dicom images (C++, VTK, ITK) • Optimize GPU resources management for deep learning server (python, redis) Teaching Assistant, Jacobs University Bremen Programming in C & Python Fall 2016 - Spring 2018 Responsible for: holding weekly tutorials; assisting students during the class; grading weekly homework and final exams Teaching Assistant, Jacobs University Bremen General Electrical Engineering lab Fall 2016 & Spring 2017 Responsible for: assisting students with lab experiments, Q&A sessions for course's materials and final exams Research Assistant, Beihang University, Advisor: Prof. Yuzhu Guo Fall 2018 - Present Research EXPERIENCE • Evaluating laryngoscopy images with various methods e.g. image registration (C++) Research Assistant, KWARC MathHub, Advisor: Prof. Michael Kohlhase Fall 2015 - Spring 2016 • MathHub.info is a portal for active mathematical documents and an archive for flexiformal mathematics. • Responsible for: Front End Development using HTML, CSS, JS Computer Graphics, Image Processing, Probability Theory, Formal Languages & Logic, Computability & SELECTED Complexity, Computer Architecture, Database & Algorithms Coursework Selected Scotty3D, 15-462 Computer Graphics, Carnegie Mellon University Fall 2017 Course A 3D interactive graphics software implements interactive mesh editing, realistic path tracing, and dynamic Projects animation.(C++)Thesis Project, Data Visualization, Jacobs University Bremen Spring 2018 A virtual reality software visualizing high dimentional data (C#, Unity) Malloc Lab, 15-213 Introduction to Computer Systems, Carnegie Mellon University Fall 2017 A general purpose dynamic storage allocator for C programs. (C) Deep Learning, Image Processing, Computer Graphics, Data Visualization Research Interests Honors and Merit-Based Scholarship, Jacobs University Bremen Fall 2015 - Present AWARDS Jacobs University & Carnegie Mellon University Rowing Team ACTIVITIES Fall 2015 - Spring 2018 A varsity rower of the competitive rowing teams of both universities.

PROGRAMMING C, C++, Python, Bash, React.js, Matlab