

Zhao Liu

CONTACT	2-4-602 Tonghuijiayuan Huiminyuan, Beijing 100001, China	zhaoliu1996@gmail.com www.zhao-liu.com
EDUCATION	Jacobs University Bremen , Germany B.S. Computer Science, GPA: 1,90/5,00 (Reverse Scale)	Aug 2015 - June 2018
	Carnegie Mellon University , Pittsburgh, PA, USA Exchange Student, School of Computer Science	Aug 2017 - Dec 2017
PRACTICAL EXPERIENCE	Software Engineering Intern , Infervision, Beijing • An highly configurable deployment system for our server cluster with GUI (docker, python, React.js, flask) • Fracture Volume rendering based on series of CT dicom images (C++, VTK, ITK) • GPU resources manage for deep learning server (python, redis)	Aug. 2018 - Present
	Teaching Assistant , Jacobs University Bremen Programming in C & Python Responsible for: Holding weekly tutorials; assisting students during the class; Grading weekly homework and final exam.	Fall 2016 - Spring 2018
	Teaching Assistant , Jacobs University Bremen General Electrical Engineering lab. Responsible for: Aissisting students with lab experiments, Q&A seesions for course's materials and final exam.	Fall 2016 & Spring 2017
RESEARCH EXPERIENCE	Research Assistant , Beijing University of Aeronautics and Astronautics • Evaluating laryngoscopy images with various methods e.g. image registration (C++) <i>Advisor: Prof. Yuzhu Guo</i>	Fall 2018 - Present
	KWARC MathHub , Jacobs University Bremen, <i>Advisor: Prof. Michael Kohlhase</i> • A portal for mathematical documents and an archive for flexiformal mathematics (now at FAU Erlangen-Nurnberg) • Responsible for: Front End Development using HTML, CSS, JS, Latex	Fall 2015
SELECTED COURSEWORK	Computer Graphics, Image Processing, Probability Theory, Formal Languages & Logic, Computability & Complexity, Computer Architectures, Database & Algorithms	
SELECTED COURSE PROJECTS	Scotty3D , 15-462 Computer Graphics, Carnegie Mellon University A 3D graphics software implements interactive mesh editing, realistic path tracing, and dynamic animation.(C++)	Fall 2017
	Thesis Project , Data Visualization, Jacobs University Bremen A Virtual Reality software visualizing high dimentional data (C#, Unity)	Spring 2018
	Malloc Lab , 15-213 Introduction to Computer Systems, Carnegie Mellon University a general purpose dynamic storage allocator for C programs. (C)	Fall 2017
RESEARCH INTERESTS	Deep learning, Image Processing, Computer Graphics, , Data visualization	
HONORS AND AWARDS	Merit Based Scholarship , Jacobs University Bremen	Fall 2015 - Present
ACTIVITIES	Jacobs University & Carnegie Mellon University Rowing Team a varsity rower of the competitive rowing teams of both universities.	Fall 2015 - Spring 2018
PROGRAMMING	C, C++, Python, Bash, React.js, Matlab	