

# Zhao Liu

---

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