

SHENGYANG ZHUANG

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(Last updated: September 9, 2023.)

EDUCATION

Master of Research, Medical Robotics, Imperial College London, UK 09 2023 – 09 2024
With full scholarships (Recipient of Chiang Chen Overseas Fellowship 2023/2024¹ and Imperial bursary).

Bachelor of Engineering, Automation, Harbin Institute of Technology, China 08 2019 – 06 2023
GPA: 91.28/100 (154 credits). With highest honor: Top Ten Outstanding Graduates. Bachelor's thesis finished at ETH Zurich.

Invited visiting student, ETH Zurich, Switzerland 06 2022 – 05 2023
GPA: 5.8/6.0 (48 ECTS). Advisor: [Prof. Daniel Ahmed](#). Bachelor's thesis title: "SonoPrint: acoustically-assisted volumetric 3D printing with feedback optimization."

Exchange student, KTH Royal Institute of Technology, Sweden 01 2022 – 05 2022
GPA: 4.4/5.0 (30 ECTS). Took master courses regarding advanced control theory, embedded control systems and time series analysis.

EXPERIENCES

Research assistant, ETH Zurich, Switzerland 06 2022 – 05 2023
[Acoustic Robotics Systems Lab](#). With Prof. Daniel Ahmed. Explored external field based volumetric 3D printing technology with feedback optimization. Developed novel V3D software.

Teaching assistant, Harbin Institute of Technology, China 09 2021 – 12 2021
Responsible for the course "Mathematical principles in college physics". With Prof. Jun Li. Compiled the handouts and lectured for 100+ students.

Visiting fellow, Global Youth Leadership Academy at UN ITCILO, remotely 06 2021 – 08 2021
With UN senior official Dr. Liangrong Zu. Coached 500+ global students. Produced program videos on official website. Chief planner and director of the closing ceremony.

PUBLICATIONS

[1] P. Agrawal, **S. Zhuang**, S. Dreher, S. Mitter, D. Ahmed, SonoPrint: Acoustically-Assisted Volumetric 3D Printing for Composites, Preprint at bioRxiv <https://doi.org/10.1101/2023.08.07.552292>. (under review Advanced Materials).

HONORS AND AWARDS

- Chiang Chen Overseas Fellowship 2023/2024, \$50000. 07 2023
- Imperial Bursary for postgraduates, £3000. 06 2023
- Top Ten Outstanding Graduates of HIT, ¥10000. 12 2021
- Qiming scholarship and 613 scholarship, departmental, total ¥16000. 10 2020 & 10 2021
- First Prize National Mathematics and Mathematical Modeling Competition, provincial. 10 2020 & 10 2021

MISCELLANEOUS

- Programming:** Matlab, Python, \LaTeX , HTML
- Hobbies:** Saxophone player and surfer

¹Selected nine students in Mainland China. Established by Chiang Chen Industrial Charity Foundation to support outstanding engineering graduates in China's top universities to pursue postgraduate studies at top ten U.S. universities or at a selected institution in Europe.