Yingqiu He

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Personal Profile

Zhejiang University of Technology undergraduate student who is enrolled in applied physics program. Have exchanged in The University of Electro-Communications for 1 year in junior. Interested in Optics and theretical physics. Searching mostly for theoretical physics Master program and laboratary.

Education

Zhejiang University of Thechnolgy (ZJUT) *Hangzhou, China*

Bachelor of Science in Optoelectronic Information Science and Engineering *Sept 2020 - Current*

- Expected to graduate with honos in July 2023
- College scholar to study
- **GPA (percentage):** 3.6/5.0 (85.5%)
- **Main Courses:** Analytical Mechanics, Electromagnetic Field Theory, Quantum Mechanics, Statistical Phyics (Average Score: 90)

The University of Electro-Communications (UEC) *Tokyo, Japan*

Internationcal Exchange Student of Japanese Univeristy Studies in Science Technology Program *Oct 2022 - Sept 2023*

- JASSO goverment scholar
- **Main Courses**: Evolutionary Computation, Photonics and Opto-electronics, Optical Communication Engineering (Average Score: 91)

Research Experience

Black hole *ZJUT, Hangzhou, China*

Bacholor Dessetation Project, Supervisor: Prof. (College of Science) *Oct 2023 - current*

- Analysing dat t.
- Study ... to find ....
- Specific case studies were ....
- **Technical Skills:** Tableau, Overleaf, LaTeX.

3D Imaging using Optical Frequency Comb (OFC) Pulses *UEC, Tokyo, Japan*

Individual Lab Study Project, Supervisor: Prof. Kaoru MINOSHIMA (Department of Engineering Science) *Oct 2022 - Aug 2023*

- Studying the fundermental of OFC for 3D imaging technology and making simple OFC by hand.
- Developing the multichannel spectrometer to measure the spectral information of OFC in different pulses using for 3D imging group project.
- Designing and making an image sensor-driven circuit in a PCB board and analyzing the signal data in the spectrometer.
- Giving two poster and one oral presentations in two universities' internal meetings and completed a proceeding paper titled *Image Sensor-Driven Circuit Design for Measuring Optical Frequency Comb Spectrum*.
- **Technical Skills:** MATLAB, LaTeX, Fusion 360, Power Point.
- **Soft Skills:** Presentation skills, Teamwork, Report writing, Time Management, Self learner.

Skills and Addition

Programming	Python (FDTD Simulatino), MATLAB (Machine Learning Course Certificate), C (Basic).
Miscellaneous	LaTeX (Overleaf/VScode), Origin, Fusion 360, Visio, Microsoft Office, Git.
Languages	Chinese (Native), English (TOEIC 765, professional proficiency), Japnese (JLPT N2, conversational, profient in reading)
Interests	Optics, Astronomy, Foreign Language, Long-Distance Running, Aikido, Photograph.
Prospects	Study and do research in different countries in phycis fields.