

Hanyu Shou

UNDERGRADUATE STUDENT · BIOMEDICAL INFORMATICS

ZJU-UoE Institute, Zhejiang University, 718 East Haizhou Rd., Haining, Zhejiang, 314400, P.R. China

☎ (+86) 13486540734 | ✉ hanyu.24@intl.zju.edu.cn | 📷 shwenyu | 📞 0009-0005-8399-1165



ZJU-UoE Institute
浙江大学爱丁堡大学联合学院

Education

ZJU(Zhejiang University)

B.S. IN BIOMEDICAL INFORMATICS

Haining, P.R.China

Sep. 2024 - Jun. 2028 (Expected)

- GPA: 3.31/4.0, Rank: 14/62 in first semester of year 1
- Relevant Coursework: Integrative Biomedical Science, Cellular and Molecular Biology, Introduction to Biomedical Informatics

Skills

Programming Python(Main), R, Latex
Languages Chinese(First language), English(Experienced)

Research Experience

Zhu lab / INSTITUTION OF ADVANCED BIOTECHNOLOGY

INTERNSHIP

SUSTech / Shenzhen, P.R.China

Jun. 2025 - Aug. 2025

- Project1: AI-assisted development of small DNA nickase
- Project2: Phage display high-throughput screening
- Assisted in SF01 PAMless variant engineering

Learning Experience

Introduction to Biomedical Informatics (IBI) 1 Group Project

MAIN PROGRAMMER & GROUP LEADER

Haining, P.R.China

Mar. 2025 - Apr. 2025

- Worked with 3 group mates.
- Developed programs to count the most frequent codon(s) in the given DNA sequences, interpret the codon(s) into amino acid(s), and calculate amino acid frequencies.
- Extended the program functionality to perform simple alignment of two DNA sequences and calculate the similarity score based on global alignment.
- Implemented the above programs in Python.
- Created a poster and gave a presentation on the project.
- The code package can be found in the IBI1_ICA repository on my GitHub.

Introduction to Biomedical Informatics (IBI) 1 Practical

PARTICIPANT

Haining, P.R.China

Feb. 2025 - present

- Studied the basics of bioinformatics and programming skills in Python.
- Developed several programs, including manipulating FASTA profiles, calculating TATA boxes, and simulating virus outbreaks among vaccinated populations.
- Gained proficiency in using Linux and remote servers.
- Built a GitHub account and personal portfolio.
- All outcomes can be found in the IBI1_2024-25 repository on my GitHub.
- My personal portfolio can be found at <https://shwenyu.github.io/>.

Introduction to Cellular and Molecular Biology (ICMB) 1 Group Wiki Project

GROUP LEADER

Haining, P.R.China

Feb. 2025 - Mar. 2025

- Collaborated with 5 students to create a wiki page introducing the overall knowledge of CRFR1 in the human body.
- Authored the section on the structure of CRFR1, including its unique secondary structure with a binding knot and its function-related structural specificity.
- Formatted and organized the wiki page.

Extracurricular Activity

Movie team of the ZJU-UoE institute

CORE MEMBER & LEADER

Haining, P.R.China

Nov. 2024 - present

- Shot vedios and edited, and worked as the team leader.
- The movies and photos are used for the institute's Wechat channel and social media account.