

# Yuning GU

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## EDUCATION

<b>Heilongjiang University of Chinese Medicine</b>	2021.09-2025.06
<i>BA in Pharmaceutic Preparations</i> <b>GPA:</b> 3.0/4	
<b>Coursework:</b> Anatomy and Physiology (86), Laboratory Animal Science (89), Pharmacology (91), Polymer Science in Pharmaceutic (93), Introduction of Modern Drug Delivery System (86).	
<b>Online learning at the University of Helsinki</b>	2024.01-2024.08
29 ECTS obtained in Programming Language (Python, Haskell), and AI. <b>GPA:</b> 4.54/5	
<b>Online learning at the XMAK Pulse Open</b>	2024.01-2024.04
5 ECTS obtained in Programming Language (Haskell). <b>GPA:</b> 5/5	

## PROFESSIONAL EXPERIENCE

Bayer (China) Limited (Dihon Pharmaceutical Group Co. Ltd.)	2024.11-present
<i>Intern at the Department of Quality Control</i>	
➤ Completed the inspection task of 2-4 batches of products every day, with about 26-40 batches per batch.	
➤ Tested 3-4 batches of raw materials per day, 80-180 bags per batch of solids, and from half to ten tons (2 to 40 barrels) of liquids depending on the amount.	
➤ Achieved December 2024 and January 2025 0 CAPA.	

## RESEARCH

### Publications

- [1] Wang T, **Gu Y**. Retrosynthesis of Wulfenioidins L with Potential Anti-Zika Virus Activity[C]//*BIO Web of Conferences*. EDP Sciences, 2024, 111: 02004.
- [2] T Sun, Z Chang, F Zhong, Z Li, Y Fu, **Y Gu**. Study on the in Vitro Inhibitory Activity of Peony Seed Blended Oil on  $\alpha$ -Amylase and  $\alpha$ -Glucosidase[J]. *Journal of Clinical Medicine Research*, pp.151-158, vol. 5, 2024.
- [3] **Gu Y**, Zhong F, Sun T, et al. Active ingredients and mechanisms of peony seed blended oil in diabetes treatment using Kunming mice: Insights from GC-MS, network pharmacology, and experimental verification[J]. *Journal of Functional Foods*, 2025, 125: 106652.

## HONORS & AWARDS

- **The Excellence Award** at the 9th "Internet +" College Students Innovation and Entrepreneurship Competition of Heilongjiang University of Chinese Medicine 2023.08  
(Developed a new mini-capsule medicine by incorporating the extract of tree peony bark with Tang Kuei and Peony Formula (Dang Gui Shao Yao San), a classical traditional Chinese medicine formula to help prevent or alleviate the complications of diabetes.)
- **The Excellence Award** at the Innovation and Entrepreneurship Competition Challenge Cup Excellence Award of Heilongjiang University of Chinese Medicine 2022.06  
(Created Jujing, a milk tea brand by developing milk tea beverages featuring traditional Chinese medicine ingredients to promote a healthy lifestyle and TCM culture among young people.)
- **The First Prize** in the Preliminary Round of the 2021 College Students First Aid Skills Competition 2021.10

## EXTRACURRICULARS

- Organized and selected feasible reports and research proposals submitted to the 37<sup>th</sup> Qingnang Academic Forum of Heilongjiang University of Chinese Medicine. 2022.03
- Volunteered to conduct nucleic acid tests at Heilongjiang University of Chinese Medicine. 2022.03-06
- Organized and cataloged the newly acquired ancient medical documents in the school library; promoted selections of classic ancient medical texts among my fellow students. 2021.09-2022.06
- Participated in the art show as a singer at Heilongjiang University of Chinese Medicine. 2021.12

- Initiated and managed the Model United Nations club at Kunming Chenggong No.1 High School 2020.03-2021.03 and led our team to attend three regional Model UN conferences in Yunnan province.

#### ADDITIONAL INFORMATION

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- **Technical:** Proficient in Microsoft Office, ChemDraw, SPSS, CAD ChemSketch, MatLab, and Origin8.0.
- **Experimental Skills:** GC/MS, Determination of hypoglycemic activity, Hematoxylin-eosin (H&E) staining, Network pharmacology analysis,
- **English:** Native in Chinese; Fluent in English (IELTS Score: 6.5/9.0 R 7.5 L 6.0 W 6.5 S 6.0).
- **Artistic:** Versed in vocal music and good at Chinese flute.
- **Athletics:** Adept at badminton and enthusiastic about hiking and mountaineering.