# Yanwei Jin

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## EDUCATION

**Peking University**                                                                                   Beijing, China
*Bachelor of Science in Nursing; GPA: 3.07/4.0*                                      *Sep 2017–Jul 2022*

## RESEARCH EXPERIENCE

**Hong Kong Centre for Cerebro-Cardiovascular Health Engineering**        Hong Kong Science Park
*Research Assistant, Supervisor: Yuanting ZHANG(Chair Professor)*        *Jan 2023 – Aug 2023(expcted)*
- Processed Healthcare Data Using Statistical Knowledge.
- Experimented to promote early diagnosis and intervention in cardio-vascular health engineering.
- Learned about multi-modal and multi-scale medical imaging techniques which can be used to develop tools for accurate assessment of blood plaque vulnerability.

**National Natural Science Foundation of China**                                     Peking University
*Research Assistant, Supervisor: Hongyu Sun(Secretary General of Chinese Nursing Association)*        *Jul 2022 – Present*

Subject Name: Construction of a knowledge graph-based chronic disease risk prediction model and health management pathway in the context of big data based on knowledge graph under the background of Big Data
- Used crawlers to crawl information about chronic disease risk factors and health behaviors in major databases and encyclopedia sites.
- Cleaned the data and formatted it.
- Used python programming language to build up knowledge graphs.

**Beijing Natural Science Foundation Committee**                                     Peking University
*Research Assistant, Supervisor: Hongyu Sun*                                            *Jul 2021 – July 2022*

Subject Name: Public risk perception, behavior patterns and emotional guidance under major public health emergency
- Compiled a systematic review of research on public risk perception and coping behavior of the COVID-19 pandemic, providing theoretical references for the follow-up work.
- Wrote interview materials related to public perception and behavior during the pandemic and interviewed the public to obtain interview materials.
- Used Nvivo to organize texts and analyzed the key contents extracted after formatting, providing supportive materials for thesis writing.

**Innovative experimental project for college students**                              Peking University
*Research Assistant, Supervisor: Zhiwen Wang(Member of the American Academy of Nursing) Sep 2019 – October 2020*

Subject Name: Home care guide for the elderly with dementia
- Searched and screened relevant articles.
- Extracted and integrated information from literature.
- Held expert meetings to discuss and revise the content of the guidelines after the completion of the first draft.
- Drew illustrations and finished writing.

## PUBLICATIONS

- Yanwei Jin, Hongyu Sun, Public risk perception and response behavior of the novel coronavirus pneumonia epidemic: A systematic review (accepted)
- Yugi Li, Jianing Gu, Yanwei Jin, Qualitative Research on Risk Perception of Medical Staff During Public Health Emergency (accepted)

## WORK EXPERIENCE

**Peking University First Hospital**                                                            Beijing, China
*Nurse Trainee, Supervisor: Yanhong Guo*                                                *Jul 2021 – May 2022*
- Consulted and coordinated with healthcare team members to plan, implement, or evaluate patient care plans.
- Taught individuals and families about health education and disease prevention.
- Assisted in the planning and conduct of clinical trials.

## Undergraduate Experience

**Relevant Courses**                                        Sep 2018 – Jun 2022
- Medicine: Epidemiology and Social Medicine, Biochemistry.
- Math: Probability and Statistics, Linear Algebra, Advanced Mathematics, Biostatistics.
- Data Science: Learning Data Science with Python, Introduction to Database Systems.

**Awards & Honors**                                         Sep 2019 – Jun 2021
- Peking University Social Welfare Scholarship. (2019)
- Second Prize in Peking University Public Medical Science Education Competition. (2021)
- Third Prize in National College Student Challenge Cup Competition for an ankle dynamometer. (2021)
- Third Prize of Peking University Nursing + X Innovation Design Competition. (2021)
- First Prize in National College Student Innovative Experimental Project. (2020)
- Second Prize of Social Practice in Peking University Powerful Action Plan. (2020)
- Second Prize of Consultation Competition in Peking University Health Science Center. (2020)
- Best Team Award of Consultation Competition in Peking University Health Science Center (as team captain). (2020)
- Second Prize in Beijing Contest District in China Undergraduate Mathematical Contest in Modeling. (2019)
- Outstanding Organization Award of Peking University Club. (2018)

**Extracurricular Activities**                              Sep 2018 – Dec 2020
- Participated in an enterprise survey on innovation and entrepreneurship of Chinese people as Quality Control Specialist to monitor and analyze anomalous data. (2020)
- Participated in many academic salons of public health. (2020)
- Organized a Hong Kong-Guangdong cultural exchange activity and won the third prize in the Summertime Social Practice Project of the Student Associates. (2019)
- Served as president of the DNA Club which won the title of "Outstanding Student". (2019)
- Worked as a faculty assistant and won the title of "Outstanding Student Associate". (2018)

## Skills & Languages

**Programming**: Python(Deep Learning), SQL, JavaScript, HTML/CSS, R
**Tools**: VS Code, PyCharm, RStudio, Stata, SPSS, Nvivo, Neo4j, Adobe
**Libraries**: PyTorch, Pandas, NumPy, Matplotlib
**Clinical work**: Vital signs measurement, ECG collection, intradermal injection, subcutaneous injection, venipuncture, venous blood collection, drainage tube placement, wound dressing, nebulizer treatment, oral care, etc.
**Languages**: Chinese (Native), English (Fluent)