

# Eric Shengyuan Xu

erixyuan@gmail.com | +1 917-520-9188

## EDUCATION

---

**New York University**, New York, United States

Sep 2020-May 2024

- Major in Global Public Health/Chemistry joint

**Columbia University**, New York, United States

Sep 2024-present

- Master candidate in Mailman School of Public Health, Department of Epidemiology

GPA 4.044 Fall '24

- Certificate in Applied Biostatistics and Public Health Data Science

## LABORATORY EXPERIENCES

---

**Research assistant for Professor Sheng Wang at the University of Washington**

Aug-Sep 2023

- Assists in language models to predict drug response effect

- Reviewed data from PubMed Central focusing on drug synergy classification

- Read research papers and investigated Natural Language Processing and practical application of PubMed-BERT

Jun-Aug 2024

- Literature Review writing about models in AI pathology

- Pathology article investigation and research

**Lab at Shanghai Jiao Tong University with Prof. Bin Li**

Jun-Aug 2023

- Conducted tissue processing with machinery cutting, centrifuge, and temperate box

- Ran Gel Electrophoresis to separate samples' proteins and Western Blotting to identify designated ones

- Tested, compared, visualized, and labeled for further spine metastases detection

## PUBLICATIONS

---

1. Zhiyuan Jiang, Qianru Huang, Yujie Chang, Yiran Qiu, Hao Cheng, Mengdi Yang, Shunyi Ruan, Suyuan Ji, Jing Sun, Zhiyu Wang, **Shengyuan Xu**, Rui Liang, Xueyu Dai, Kejin Wu, Bin Li, Dan Li, Hui Zhao. LILRB2 promotes immune escape in breast cancer cells via enhanced HLA-A degradation. *Cellular Oncology*. 2023 (Pre-acceptance)

2. Zhiyu Wang, Guangyu Yao, Yifeng Gu, Yujie Chang, Jing Sun, Shunyi Ruan, Jingyi Guo, **Shengyuan Xu**, Shiqi Peng, Bolin Lai, Xiaoyun Zhang, Yanfeng Wang, Ya Zhang, Yuehua Li, Hui Zhao. Deep learning system to detect spine metastases and evaluate features from CT imaging: a multi-center test study. *Cancer Imaging*. 2023 (Under review)

3. Yujie Chang, Yifeng Gu, Shunyi Ruan, **Shengyu Xu**, Jing Sun, Zhiyuan Jiang, Guangyu Yao, Zhiyu Wang, Hui Zhao. Comparison of the detection performance of [18F]FDG PET/CT with CT on bone metastases: randomized controlled clinical trial. *Cancer Imaging*. 2023 (Under review)

4. Zixuan Liu, Zefan Cai, Kenan Ye, Addie Woicik, Hanwen Xu, **Shengyuan Xu**, Hoifung Poon, and Sheng Wang. Synthesizing high-order biological data using GPT. *The 28th International Conference on Research in Computational Molecular Biology*. 2023

## ACADEMIC

---

### **Epidemiology For Global Health**

Feb-May 2023

- Examined epidemiological theories, analytic approaches, and tools to conduct research in a global setting
- Researched the COVID-19 pandemic and its future prevention

### **NYU School of Global Public Health** Seminars/Forum

Sep 2020-May 2024

- GPH Earth Day Symposium: A Panel Discussion on Climate Action and Resilience in the Age of COVID-19
- When Misinformation Goes Viral: Using TikTok to Fight COVID-19 Disinformation
- What COVID-19 Vaccines Reveal: Myth & Reality of Post-Colonial Global Health
- Learnt about current situation of global health related topics encompass health care, art, biology, and economics

## ADDITIONAL INFORMATION

---

*Coding and skills in:* Python, R, SAS, STATA (intro), Microsoft Office Suite,

*Schoolwork Experience:* Data Analysis Report in R with multivariate statistic test, Pharmaceutical test report of Phase I, Phase II bioequivalence and Phase III tests with dropouts.