

JOHNATHAN JIA

Currently searching for fulltime position

I am currently working fulltime as a data analyst in the Liu lab at Baylor College



PROFESSIONAL EXPERIENCE

- 2023

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Data Analyst

Baylor College of Medicine

- QC and analyzed scRNA-seq data from brain organoid tissues
 - Developed pipelines in Python and R for use
 - Pipeline for IMC Data Analysis

Houston, TX
- 2020
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2019

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Research Assistant I

MD Anderson Cancer Center

- Collected and prepared samples of blood, bone marrow, and tumor for storage and analysis

Houston, TX

RESEARCH EXPERIENCE

- 2023
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2020

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Graduate Research Assistant

UTHSC Houston Graduate School of Biomedical Sciences

- Developed DeepHTLV
 - Analyzed COVID-19 scRNA-seq data transcriptional programs using DrivAER
 - Wrote review of current COVID-19 scRNA-seq research

Houston, TX

EDUCATION

- 2022
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2020

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M.S. in Quantitative Sciences

UTHSC Houston Graduate School of Biomedical Sciences

- Thesis: DeepHTLV: a deep learning model for detecting and elucidating human T-cell leukemia virus type 1 integration sites

Houston, TX
- 2018
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2015

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M.D.

UTHSC Houston McGovern School of Medicine

Houston, TX
- 2015
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2011

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B.S. in Biology

Emory University

- Investigating heterogeneity in the dynamics of virus and immune response

Atlanta, GA

HONORS AND AWARDS

- 2022

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Best presentation at QS Seminar

Best QS seminar presentation

Houston, TX
- 2022

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First prize at UTH GSBS Quantitative Sciences Retreat Poster Presentation

First prize for pre-candidacy students

Houston, TX
- 2016

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Rheumatology Research Foundation Research Award

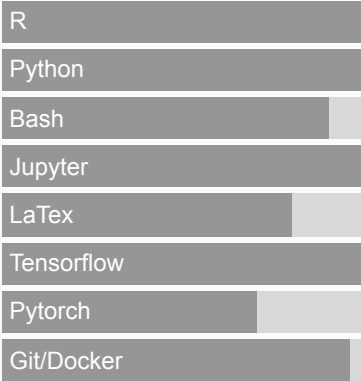
Awarded for Establishing Shenzhen Ankylosing Spondylitis Cohort

Houston, TX

CONTACT INFO

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☎ 832-361-0388

SKILLS



PUBLICATIONS

Deep learning for detecting and elucidating human T-cell leukemia virus type 1 integration sites (Cell Patterns 2023)
H.Xu and J.Jia, H.Jeong,Z.Z

Delineating COVID-19 immunological features using single-cell RNA sequencing (The Innovation 2022)
W.Liu, J.Jia, Y.Dai, W.Chen, G.Pei,Q.Yan, Z.Zhao

Investigating Cellular Trajectories in the Severity of COVID-19 and Their Transcriptional Programs Using Machine Learning Approaches (Genes 2021)
H.Jeong and J.Jia, Y.Dai, L.Simon, Z.Zhao

What Controls the Acute Viral Infection Following Yellow Fever Vaccination? (Bulletin of Mathematical Biology 2016)
J.Moore, H.Ahmed, J.Jia, R.Akondy, R.Ahmed, R.Antia