

YUEYI XU
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EDUCATION

COLUMBIA UNIVERSITY

M.S. in Biostatistics

New York, NYC

September 2023 – May 2025

BOSTON UNIVERSITY

B.A. in Applied Mathematics | GPA: 3.35 / 4.0 | Math Tutor in 09/2018 - 05/2019

Boston, MA

September 2019 – January 2023

Core Coursework: Multivariable Calculus, Statistics, Linear Algebra, Differential Equations, Complex Variables, Discrete Math

EXPERIENCE

IBEX BIOSCIENCE

Rockville, MD

Research Associate (Venture Capital Backed)

June 2022 – Aug 2023

- Conducted experiment to evaluate the effect of ibex transcription factor on the following Cells:
 - iPSC Cells, detected the effect on iPSC Cells by observing the morphology change after transfection and infection with the ibex regeneration factors, cultured iPSC Cells and provided to additional projects as a positive control
 - Human Glioblastoma Cells, proofed strong infection efficiency by AAV viruses
 - Liver Cancer Cells, concluded the medicine effectively slows the cancer cell growth through inhibition of cell signaling pathway (pSTAT3 protein expression)
- Validated the medical research process through compelling statistical evidence by GraphPad Prism and Excel, and accelerated the research progress to patent and vivo study

BOSTON UNIVERSITY

Boston, MA

Educational Technology & Innovation Graduate Assistant

May 2021 – December 2022

- Developed a data dashboard for the Blackboard course sites for faculty, staff, and students to manage courses and grades, including 10+ sections, such as calendar, component, course progress, upcoming events, and to-do lists in the dashboard
- Oversaw technical support requests from faculty and students; proactively delivered functions to manage educational resource
- Implemented effective team management strategies and held office hours to delegate workload among three team members, ensuring optimal distribution and efficient completion of tasks
- Enhanced course site quality by implementing rigorous sandbox testing and fostering cross-functional collaboration among teams to drive continuous improvement for over 500 courses

SHENZHEN SECOND PEOPLE'S HOSPITAL

Shenzhen, China

Bioinformatics Analyst Intern

January 2022 – August 2022

- Initiated the experiment plans, entailed recruiting volunteers and collected blood pressure data from new and traditional devices
- Gathered Pairwise T-Test on 300+ empirical data evidence to examine the effectiveness of newly-developed wrist ECG blood pressure recorder provided by Huawei Watch
- Finalized statistical analysis and communicated findings to the senior management team prior to the product launch

PING AN BANK

Shenzhen, China

Corporate Banking Intern

July 2019 – September 2019

- Performed due diligence analysis on 20+ companies to make suggestion on corporate loans to SMEs in TMT industry
- Evaluated potential risk of bad loans by analyzing recent financial statements, collateral value, and future repayment source
- Provided funding to the major companies in the pillar-type industry; prepared and finalized manual for future loan application

MASSACHUSETTS GENERAL HOSPITAL

Boston, MA

Cutaneous Biology Research Center Research Intern

April 2019 – July 2019

- Conducted experiments on mice to help understand the mechanisms of itch and to develop effective anti-itch therapies
- Collected data of biological feature in experiments, performed genomic DNA extraction and purification by gel electrophoresis; genotyped for mice using Polymerase Chain Reaction (PCR)

ADDITIONAL

- Programming: Python, R, Java, M.S. Office, JMP software, Eclipse
- Languages: Chinese (Native), English (Native), French (Intermediate)
- Volunteer Experience: Helped hundreds of villagers in remote regions alongside surgeons in treatment and repair operations
- Community Service: Assisted with physical examinations for community members and recorded the medical information