

Xia Fu

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Objective: Looking for business analyst position LinkedIn: <https://www.linkedin.com/in/xia-charlene-fu-631a76146>

Education

- Rensselaer Polytechnic Institute, Master of Science, Business Analytics (Troy, NY)** 2019.08 - 2020.05
Main Courses: Advanced Quantitative Methods (Excel solver), Machine Learning Applications (Python), Data Mining (Python), Advanced Data Resource Management (SQL), Advanced AI & ML (R script), Capstone (Tableau), etc. GPA: 3.95
- Fordham University, Master of Science, Cell and Molecular Biology (Bronx, NY)** 2017.08 - 2019.08
Learned graduate level of molecular biology and ecology; Worked as a teaching assistant.
- Capital Medical University, Bachelor of Science, Medical Laboratory Animal Science (Beijing)** 2013.08 - 2017.07
Learned Basic Medicine, Laboratory Animal Science, and Clinical surgery; Did research on Parkinson's disease. GPA: 3.72

Relevant Experience

- Business Analysis Capstone Department of Health, New York State RPI, Troy** 2020.01-2020.05
Used Python and Tableau to visualize the performance of health homes in New York State; Identified abnormal trends in health home development and provided improvements; By the end of this project, created a dashboard for clients.
- Datathon Competition, Second Place RPI, Troy** 2020.04.04
The dataset contains more than one million data points of consumer complaints from the CFPB. We created the analysis and advised the CFPB on its future plans, actions, and legislative recommendations to make the market more efficient and the number of consumer complaints reduced. Our team won the second place in this competition.
- SQL experience with Defacto provided databases RPI, Troy** 2019.09 - 2019.12
Gained experience with SQL working on case problems from deFacto corporation. The number of case problems worked on exceeded one hundred and twenty-five and it was done through a remote SQL Server database server at the deFacto premises.
- Research on tumor cells migration mechanisms Fordham University, Biology Department** 2017.11 - 2019.08
The research was focused on the tumor related cell structural proteins that may contribute to the rapid migration of tumor cells. Identified the target proteins that prevent tumor cells rapid migration. Use Crispr Cas 9 method knocked out two genes of mammalian genome to identify protein function.
- Research on Parkinson's disease pathogenesis Capital Medical University** 2014.11- 2017.07
Participated in the study of Parkinson's disease pathogenesis and early prevention strategies. Did research on the protein interaction of a-synuclein and CD200 that may lead to the inflammatory. Participated in three publications.
- Analyst Intern Yunpeng Pharmaceutical Factory, China** 2017.07
Clinical analysis before drug marketing: Investigated the pharmacokinetics of preparations in healthy volunteers and evaluated their bioequivalence; Applied biostatistics to evaluate whether or not significant differences.

Skills and Certificates

BIO Skills: PCR, Crispr Cas 9, DNA sequence analysis, cell culture

IT Skills: Python, R, SQL Server, SSIS, SSRS, Tableau, programming packages, Algorithms and modeling.

Certificates: Genetics and Next Generation Sequencing for Bioinformatics (Udemy)

Publications: Participated three publications on *Journal of Capital Medical University, Aging and disease, and Mol Neurobiol.*

Other experience:

- Master Scholars Research Program RPI, Troy** 2019.10 – 2020.04
- Worked with InSitu Composites, a startup company, that produces 3D printing materials; helped identify the customer base and explore market; Sponsored by National Science Foundation (NSF) I-Corps program.
 - Arranged interviews with potential customers who are expert in 3D printing field. Asked questions and collected useful information, summarized and presented valuable information to program. Give suggestions based on consumers' interviews.
- The 4th National Forum on the Innovation of College Students Basic Medical Experiment Design Competition China** 2016.06
Come up with creative proposal for the competition. Did experiments to show the feasibility of the proposal and prepared with group members for the competition. Won the second prize in national competition.

Honors & Awards

2017-2019 Fordham University GSAS Centennial Scholarship

2017 Beijing Honor Undergraduate; 2017 Capital Medical University Honor Undergraduate.

First-class undergraduate scholarships.