

Yiqun Jin

Phone: +1 (917)443-0403
E-mail: jinyiqun99@gmail.com
Address: 100 Haven Ave. RM 15D, New York,
NY, 10032, United States

EDUCATION & ACADEMIC VISITINGS

University of Wisconsin-Madison , Madison, WI, USA B. S. Degree in Genetics and Genomics Certificates: Computer Science, Math, East Asian Studies Languages: English, Chinese, Japanese (conversational) RIKEN BDR , Kobe, Japan Columbia University , New York, NY, USA M.S. Degree in Biostatistics – Public Health Data Science	Sept. 2017 – Dec. 2020 GPA: 3.527/4.0 Jun. 2019 – Aug. 2019 Sept. 2021 – Now GPA: 4.0/4.0
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HONORS & AWARDS

Dean's List (Top 10% students), University of Wisconsin-Madison Worldwide Internship Program Grant, University of Wisconsin-Madison	2018 & 2019 2019
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COURSEWORK & SOFTWARE

<i>Computer Skills</i>	Java, Linux, R, Python, SPAdes, and QUAST, etc. PowerPoint, Excel, Word
<i>Curriculum Highlights</i>	<u>Biology & Chemistry:</u> Biology, Organic Chemistry, Microbiology, General Physics, Human Genetics and Disease, Medical Microbiology and Immunology, etc. <u>Mathematics & Computer Science:</u> Applied Statistics for Life Science, Multivariate Calculus, Linear Algebra, Probability Theory, Discrete Mathematics, Programming (Java, 3 semesters), Intro to Computing System, and Intro to Bioinformatics (Python), etc.

RESEARCH EXPERIENCE

<i>Mandel Lab, Depart. of Medical Microbiology & Immunology, UWM, Madison, USA</i> Undergraduate Research Assistant <ul style="list-style-type: none">Conduct an independent research project: "Using in-vitro Evolution to Enhance the Ability of <i>Vibrio fischeri</i> Strain SR5 to Retain Fluorophore Contained Plasmids"Create new <i>V. fischeri</i> strain glycerol stock with GFP/RFP contained plasmids, and finished the research paper (4700 words). Using SPAdes to conduct genome assembly for specific <i>V. fischeri</i> strains.	Advisor: Dr. Mark Mandel Jun. 2018 – Jun. 2019
<i>Ikeda Lab, Department of Medical Genetics, UWM, Madison, USA</i> Undergraduate Research Assistant <ul style="list-style-type: none">Transmembrane protein 135 (Tmem135) is a novel regulator of mitochondrial dynamics. The transgenic mice overexpressing Tmem135 exhibit increased fragmentation of mitochondria and disease phenotypes in the heart and retina.Modeling the role of Tmem135 by identifying genes whose expression is correlated with Tmem135 expression by analyzing gene expression profiles using public database. Analyzing the comparison the gene expression profile of different expressed gene between Tmem135 transgene model and wild type.Using RNA-seq data, identify new gene that corresponding to the function of Tmem135, explore the function and mechanism of new identified gene from RNA-seq data.	Advisor: Dr. Akihiro Ikeda Aug. 2020 – Dec. 2020
<i>Onami Lab, Laboratory for Developmental Dynamics, RIKEN BDR, Kobe, Japan</i> Undergraduate Research Assistant <ul style="list-style-type: none">The mechanical interactions between cell-cell and cell-extracellular matrix play a key part in differentiation and morphogenesis for embryonic development, use <i>C. elegans</i> as model to study how mechanical environment around the embryo affect the developmental process.Investigated the mechanical function of eggshell in <i>C. elegans</i> developments, Focused on the effect of eggshell on postembryonic development.Removed the eggshell of <i>C. elegans</i> and then studied the effects of removal on the body length of <i>C. elegans</i>.	Advisor: Dr. Suichi Onami Jun. 2019 – Aug. 2019
<i>The 1st International Training Course for Singularity Biology, Osaka University & RIKEN BDR, Osaka, Japan</i> <i>Internship Trainee</i>	Aug. 2019

INIERNSHIPS

Intern for Central Marketing Department, AstraZeneca, Shanghai, China

Apr. 2021 – Aug. 2021

- Assist the product team to complete the approval and filing of various marketing activities in a timely manner, and be proficient in the operation process of the project and the way of cooperation of various departments
- Assist marketing department in daily data statistics and analysis, follow up the progress and implementation of marketing activities
- Assist the marketing department in the design and execution of events
- **Learning Outcomes:** Develop sensitivity and interpretation of data in statistical analysis; Develop rigorous work habits; Learning marketing skills and improve marketing sense.

Intern for Human Resource Department, CHENG TAY, Shanghai, China

Mar. 2021 – May. 2021

- Personnel file management
- Assist human resource department in human resource management analysis report
- Resume screening, interview invitation

EXTRACURRICULAR ACTIVITIES

Chair of Public Relations Department, Chinese Undergraduate Student Association(CUSA), UW-Madison

Feb. 2018 – Feb. 2019

- Manage the social media account for CUSA
- Write reporting article for events, update and organize on-line columns as a team

Script Writer, The Saying Theater Club, University of Wisconsin-Madison

Feb. 2018 – Dec. 2019

- Write Character Biography, guide actors understand the script. Translate Chinese script to English subtitles