

Jinhu Chung

West Windsor, NJ | 646-565-9133 | jinhuchung@gmail.com | [linkedin.com/in/jinhuchung](https://www.linkedin.com/in/jinhuchung) | US. Citizen

EDUCATION

Rutgers University - New Brunswick

New Brunswick, NJ

Bachelors of Science in Biomedical Engineering

Expected May 2027

Relevant Coursework: Intro to Biomedical Engineering, Biomedical Engineering System Physiology, Engineering

Economics, Chemistry Lab, General Biology Lab, Analytical Physics Lab

GPA: 3.340

SKILLS

Software: MatLab, Adobe Illustrator, Corel Draw, Bambu Studio

Application: Microsoft (Excel, Word, Powerpoint), Zen Systems, Slack, Teams, OneNote, Sharepoint

Mechanical: Laser Cutter, 3D Printing, Microscope, Micropipetting, Image Analysis, PCR, Electrophoresis

Soft Skills: Communication, Leadership, Teamwork, Analytical, Problem Solving, Precision, Innovative, Organizational

EXPERIENCE

Undergraduate Drosophila Protein Research Assistant

Sep. 2024 - Present

Lyu Lab | Rutgers University | Department of Molecular Biology and Biochemistry

New Brunswick, NJ

- Cultivating generations of Gr5a-GAL4 virgin females with UAS-hid and UAS-CsCr virgin *Drosophila* flies
- Analyzing *Drosophila* feeding behavior using inactivated yeast when Gr5a-GAL4 sucrose receptors were activated
- Designed 20 acrylic optogenetic rigs to increase activation by 25% in serotonergic neuronal circuits

Undergraduate Drosophila Biomedical Engineering Research Assistant

May 2024 - Aug 2024

Lim Lab | University of Pennsylvania | School of Engineering and Applied Sciences

Philadelphia, PA

- Evaluated the influence of enhancer's upstream or downstream positions relative to the MS2 and PP7 protein
- Analyzed effects of different enhancer strengths on gene expression using **con-focal microscopes** and **single cell imaging technique** to determine each parameter's impact on gene expression dynamics
- Investigated whether modifications in the 3D enhancer-promoter arrangement induced developmental phenotype

ACTIVITIES

Engineering Team Lead

Sep. 2023 - Dec. 2023

Rutgers Engineering Without Borders

New Brunswick, NJ

- Researched three feasible patents for rain catchment systems while leading a team of 10 undergraduate students
- Presented research to local government officials in Tanzania, securing funding for the implementation of rain catchment systems in three elementary schools and two community centers

Medical Assistant Volunteer

June 2023 - Aug. 2023

Capital Health Hospital

Princeton, NJ

- Coordinated the transportation of over 80 admitted patients to different hospital facilities using wheelchairs and mobile hospital beds, increasing hospital admit efficiency by 20%
- Created a personalized cataloging system to organize and record donated artwork

Hospital Volunteer Team Lead

June 2023 - Aug. 2023

University of Pennsylvania Princeton Hospital

Princeton, NJ

- Directed a team to guide over 200 patients to appropriate examination rooms at the Medical Arts Pavilion
- Led the collaboration of 3 local non profit organizations to implement supply solutions in homeless communities

President

Aug. 2024 - Present

Rutgers Machine Ultimate Club Sport

New Brunswick, NJ

- Lead an office of 5 officers to organize with Rutgers Club Sport the necessary field space and funding for 2 teams

INTERESTS

Hobbies: Ultimate Frisbee, Running, Cello, Listening to music, Rock Climbing