TYLER YANG

110-11 Queens Blvd. Apt 2M · Forest Hills, New York, 11375 · +1-516-582-3168
thy23@drexel.edu · https://www.linkedin.com/in/tylerhyang21/

A rising senior at Drexel University, I have years of experience in related biotechnology fields, ranging from robotics programming, nanomaterials science, bioprinting, virology, and immunology.

I am highly motivated, with experience in experimental design, statistics, and reading, writing and editing research literature.

In the future, I hope to move on to doctorate studies in genomics but am interested at many fields of biology at the moment.

EXPERIENCE

JANUARY – MARCH 2020*   ***ACCEPTED JOB**

NANOSCALE FUNCTION GROUP (UNIVERSITY COLLEGE DUBLIN)

Will assist in Bioprinting platform development, including use of atomic force microscopy to optimize structure and cellular proliferation.

SEPTEMBER – DECEMBER 2019

ADVANCED NANOTECHNOLOGY (BARCELONA UNIVERSITY)

Fabricated and characterized nanocoatings to confer biocompatibility, hydrophobicity and wear resistance to assorted substrates through plasma enhanced physical vapor deposition.

SEPTEMBER 2018 – AUGUST 2019

INTEGRAL MOLECULAR (UNIVERSITY CITY PHILADELPHIA)

Collaborated with a small team on an NIH contract to characterize viral envelope structures through high throughput reverse transcription screens with 'shotgun mutagenesis' libraries.

SEPTEMBER 2017 – DECEMBER 2018

WUXI APPTEC (THE NAVY YARD, PHILADELPHIA)

Optimized processes for gene therapy technology. Operated on a wide variety of primary and cell lines, both in suspension and adhesion, including sensitive cell lines such as hMSC.

SKILLS

- Data analysis and scripts for analysis
- A wide variety of immunology assays
- Training in ISO 7 Clean Rooms
- High Throughput Flow Cytometry
- Cell culture; transfection & transduction
- Robotics, circuitry, process automation
- Operations of Interferometers, AFM

Relevant Coursework:

- Human Physiology
- Fundamentals of Materials
- Linear Engineering Systems
- Multivariate Calculus
- Cells and Genetics
- Engineering Design
- Computer Aided Design
- MATLAB Computations

Awards and Scholarships:

- Anthony J Drexel Scholarship
- Siemens Competition Semifinalist
- Intel Science Talent Search Semifinalist