

Michelle Pao

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Education

- expected May 2021 **BINGHAMTON UNIVERSITY**
BACHELOR OF SCIENCE
Major in Biomedical Engineering
Minor in Graphic Design
GPA: 3.5/4.0
Honors: Dean's List Fall 2017,
Spring 2018
Relevant Courses: Biomedical
Modeling Numerical
Methods, Electric Circuits,
Biomolecular Engineering

Skills

- InDesign
- Photoshop
- Illustrator
- Microsoft Office Suite
- Solid Edge
- Matlab
- HTML, CSS
- Python

Activities

- **HACKBU**
JANUARY 2019
PARTICIPANT IN HACKATHON
- **SOCIETY OF ASIAN SCIENTISTS & ENGINEERS**
JANUARY 2019-PRESENT
TRANSITIONAL | EVENT PLANNER
- **INNOVATION SCHOLARS PROGRAM**
AUGUST 2018-PRESENT
PARTICIPANT IN DESIGN THINKING
- **SOCIETY OF WOMEN ENGINEERS**
AUGUST 2017-PRESENT
ACTIVE MEMBER AND VOLUNTEER

Professional Experiences

BINGHAMTON STUDENT DESIGN AGENCY

JANUARY 2019-PRESENT

DESIGN INTERN

- Creates flyers, logos, banners for SA chartered clubs
- Offers critique to other design interns and share ideas
- Builds a positive reputation and increases popularity
- Forms a PDF bi-weekly to summarize progress and designs

GIRLS WHO CODE @ BINGHAMTON UNIVERSITY

JANUARY 2019-PRESENT

TEACHING INSTRUCTOR

- Teaches high school girls how to create websites and apps
- Activates a comfortable environment to be a leader
- Educates girls on successful women in the STEM field
- Provides support to increase amount of women in STEM

ASIAN OUTLOOK

OCTOBER 2017-PRESENT

LAYOUT EDITOR & PART-TIME WRITING CONTRIBUTOR

- Develops a well-contrived design for bi-semester magazine
- Formats an easy-to-read arrangement
- Collaborates with other Asian subgroups for articles.
- Contributes in Asian Student Union events
- Spreads awareness of social and political issues in Asia

THE PHOENIX

SEPTEMBER 2016-JUNE 2017

LAYOUT EDITOR

- Integrated constructive feedback from team
- Instilled what good layout is
- Taught design associates tips for **Photoshop** and **InDesign**

Projects

The Development of Liver Organoid from iPSCs via dLECM and Conditioning

NOVEMBER 2018-DECEMBER 2018

RESEARCHER & DESIGNER

- Researched usage of induced pluripotent cells for tissue engineering
- Created schematic and flow chart of bioreactor using **Adobe Illustrator**
- Found necessary components of cell culture medium for the scaffold that would ensure growth of organ
- Calculated the flow rate of the medium using the convection-diffusion equation

Methods for Eradication of Persister Cells in Biofilms of Pseudomonas Aeruginosa

AUGUST 2017-NOVEMBER 2017

RESEARCHER

- Theorized what could permit antibiotics to affect persister cells
- Delivered interactive poster talk at ITC