

Megan Yeung

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EDUCATION

Geisinger Commonwealth School of Medicine
Master of Biomedical Sciences

Scranton, PA
Oct. 2020 – Jun. 2021

University of Pittsburgh
Bachelor of Science in Biological Sciences

Pittsburgh, PA
Aug. 2016 – Apr. 2020

Honors: Dean's List (Spring, 2020)

MEDICAL EXPERIENCES

Chen Bo, MD
Shadower

New York City, NY
Jun. 2018 – Aug. 2018

- Worked as a nurse assistant and monitored patient examinations alongside Dr. Bo, an internal medicine physician for lower income, Chinese fluent individuals.
- Documented 150+ patient care reports and interacted with patients speaking in the Chinese dialect Fuzhounese, an underrepresented dialect within the Chinese community.
- Served as receptionist to schedule 150+ patient appointments for annual check-ups, update patient records, and ensure patient completion of forms.

GI Health
Shadower

New York City, NY
Jul. 2017 – Sep. 2017

- Shadowed Dr. Anthony Ng, a Gastroenterologist for Chinese patients 45+ prone to gastrointestinal diseases daily.
- Examined how to document 200+ patient care reports and interact with Cantonese and Mandarin dialect speaking patients daily.
- Observed 6 colonoscopies and 4 endoscopes, performed alongside an anesthesiologist, emphasizing precautions to ensure patient airway is clear, bowels are empty, and photography of stomach and colon is visible.
- Witnessed steps for polypectomy and sample preparation for lab testing.

LEADERSHIP & VOLUNTEER EXPERIENCES

Alpha Phi Omega Beta Chapter
Fraternity Brother, Service Liaison

Pittsburgh, PA
Jan. 2017 – Apr. 2020

- Built 30+ sensory toys such as worry bead bracelets and water-bead sensory bags to promote calmness and ability to focus for children with Autism.
- Organized and distributed 250+ feminine hygiene materials to Days through Girls, a women's shelter in downtown Pittsburgh accepting donations.
- Communicated with organizations such as Knitting for Need and Humane Animal Rescue to offer leadership and volunteer opportunities for brothers.

Project Sunshine

Finance Manager, Craft Coordinator

Pittsburgh, PA
Sep. 2016 – Apr. 2020

- Attended Ronald McDonald's House Charities of Pittsburgh and promoted activities such as movie nights with children and cooked 2 family meals on different holidays to create a sense of belonging and comfort for patients.
- Organized craft events such as designing sensory wind chimes for children age 6-12 years in the Blind School to play with.
- Hosted 150+ events such as cooking breakfast, lunch, and dinner at Family House, a University building, catering to families in need of overnight stay for hospitalized family members to form a sense of security and warmth.

Research

Undergraduate Researcher

Pittsburgh, PA
Dec. 2016 – Apr. 2020

- Worked in a team of 4 alongside Dr. Imad, Al Ghouleh at Vascular Institute on a project to analyze effects of hypoxia on left ventricular heart failure.
- Conducted a project looking at conservation of *Met*-Biosynthesis Pathway of *S.pombe* and *S.cervisiae*, and function of *Wingless Large* gene within *Drosophila Melanogaster*.
- Wrote a review paper on understanding evolution of Influenza viral strains and finding a universal vaccination.
- Wrote a review paper in a team of 3 on fair allocation of Mexican health care resources and learning from other systems of government specifically through implicit and explicit rationing.
- Completed a secondary analysis on impact of dizziness on reaction time and motor impairment in healthy individuals without neurological or cognitive impairments.

UPMC Magee's Women's Hospital

Volunteer

Pittsburgh, PA
Sep. 2017 – Jun. 2018

- Attended bedside for 80+ adult patients in response to patient needs such as supply of necessary equipment and re-adjustment of hospital beds.

UPMC Children's Hospital

Volunteer

Pittsburgh, PA
Sep. 2016 – Jun. 2018

- Managed Austin's Playroom where children 4-13 years are kept active with arts and crafts, movies, and video games.
- Performed bedside care to children between ages of newborn to 16 years ranging from cradling to reading stories, coloring, and playing games with.
- Participated in The Imagination Project events once a week where volunteers would go to children's hospitals dressed as Disney characters to play with and keep children company.

EMPLOYMENT

Pennsylvania Department of Health

Contact Tracer

Scranton, PA
Aug. 2020 – Present

- Employed for Insight Global as a contact tracer during COVID-19 pandemic by monitoring patient symptoms daily and giving quarantine information to close contact individuals to prevent future waves of infection causing millions of deaths within the United States.
- Learn and stay updated daily with Salesforce and Sara Alert monitoring skills to ensure patients are following quarantine guidelines under department of health mandate.

- Keep updated daily with current events and information on Centers for Disease Control and Prevention, World Health Organization, and Pennsylvania Health Department website regarding novel COVID-19 findings and procedures.
- Developed an event planning committee of 6 people responsible for team bonding events for 53 employees such as Throwback Thursday, De-stress Friday, and organizing donations towards different charities each month.

UPMC

Pittsburgh, PA

Tenant Researcher

Jun. 2019 – Present

- Researched for Dr. Lin as part of UPMC on a project to understand relationship between aging and osteoarthritis, a degenerative joint disease impacting over 32.5 million adults in the United States.
- Focused on biological pathways of FOXM1 and ESR1 molecules and FOXM1 and ESR1's potential therapeutic targets of chondrocyte senescence in osteoarthritis.

University of Pittsburgh

Pittsburgh, PA

Lab Assistant

Sep. 2018 – Apr. 2020

- Worked in a team of 3 for Dawn Bisi in Langley Labs to prepare lab space for student use through varying assignments such as making growth media for *Saccharomyces* and *E. coli* using aseptic techniques and maintaining *Drosophila* stocks used for gene editing research.
- Performed daily tasks such as autoclaving research supplies, western blots, and gel electrophoresis necessary for student labs.
- Produced chemical solutions such as Tris buffer for SDS-PAGE and dilutions of Ethidium Bromide for DNA staining used in several student projects throughout the year.

POSTERS AND PRESENTATIONS

University of Pittsburgh

Pittsburgh, PA

Undergraduate Researcher

Delineating the molecular mechanism underlying right heart dysfunction in Pulmonary Hypertension, **Megan Yeung**, Sandhya Shankar, Rishab Shetty, Dr. Imad Al Ghoulleh. *First Experiences in Research, Dietrich School of Arts & Sciences, University of Pittsburgh*. April, 2018. Pittsburgh, Pennsylvania.

Determining the functional conservation of *MET14* in the Methionine Biosynthesis Pathway of *S. pombe* and *S. cerevisiae*, **Megan Yeung**, Casey Gudenburr, Mark Williamson. *Pathways Over Time, Dietrich School of Arts & Sciences, University of Pittsburgh*. April, 2017. Pittsburgh, Pennsylvania.

CERTIFICATIONS

HAZMAT Certified

PA Dept. of Transportation, Dec. 2018

Expires: Dec. 2020

EMT Licensed

PA Dept. of Health, Dec. 2018

Expires: Dec. 2020

First Aid Certified

American Red Cross, Apr. 2016

Expires: April 2020

Relevant skills: CPR

Contact Tracing Certified

John's Hopkins "Contact Tracing" certified, Aug. 2020

American Psychiatric Association "COVID-19 and Mental Health: Caring for the public and ourselves" certified, Oct. 2020

PA-DOH, CT "COVID-19 Disease Overview Modules 1&2" certified, Oct. 2020

World Health Organization "COVID-19 occupational health and safety" certified, Oct. 2020

World Health Organization "UNCT COVID-19 preparedness and response" certified, Oct. 2020

LANGUAGES

English: *Native*

Spanish: *Intermediate*

Chinese Dialects: *Cantonese, Proficient; Mandarin, Proficient; Fuzhounese, Intermediate*