

Fanny Chen

Contact



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Work Experience

Physicist I

Memorial Sloan Kettering Cancer Center, New York, NY

August 2021 - Present

- Provide patients, doctors, and staff members on the clinical level with safety precautions, guidelines, and training/education in regards to radionuclide cancer treatments and exposures
- Conduct research and analysis pertaining to radionuclide cancer treatments (2 pending publications)
- Created systems to electronically track work units, equipment, procedures, and treatment records for the department

Education

The Cooper Union for the Advancement of Science and Art

New York, NY

2017 - 2021

Major: Chemical Engineering

Minor: Humanities and Social Science

Major GPA: 3.7

Production Engineer, Regulatory Assistant, Quality Assurance & Packaging Intern

L&Z US Inc., Norwood, NJ

2019 - 2021

- Communicated with different teams to assist in FDA validation process/ paperwork filing
- Trained in cleanroom protocols, tested product packaging, and validated sub-parts
- Designed and developed organization system for company data and files

Quality Engineer Intern

Aerco, Blauvelt, NY

Summer 2020

- Developed a new system to track real-time data electronically for the fabrication and testing of an entire product line
- Generated automated visuals and a troubleshooting guide for data analysis (reduced time spent on data-mining by over 70%)
- Designed a new system to track and generate reports of testing and calibration data
- Effectively communicated with the quality team, operators, and all stake-holders of the project.

Other work experiences

-Teacher's Assistant & Assistant at the Office of Admissions, 2020 - 2021

The Cooper Union, New York, NY

-Clerical Assistant, Receptionist, & Translator, 2016 - 2018

New York Hearing Center, Brooklyn, NY & New York, NY

Affiliations

-University President and Regional

Liaison: American Institute of Chemical Engineers (AIChE)

-Vice President: Society of Women Engineers (SWE)

-Member: Chemist Club, Society of Asian Scientist and Engineers (SASE), South Asian Society (SAS)

Skills

-Certifications: AutoCAD Certiport,

Microsoft Technology Associate

Networking Fundamentals

-Computers: Python, MatLab, &

Microsoft VBA; Microsoft Office (Excel, Word, PowerPoint, Outlook, SharePoint, OneDrive, Teams), Google Drive, Adobe, SolidWorks, Spartan, Aspen, Power BI, SuperPro

-Languages: Chinese (Fluent, Read & Write), Korean (Intermediate), Spanish (Beginners), Russian (Beginners)

-Others: Communication, leadership, public speaking, teamwork, data analysis, brand management

Business & Project Experience

ETSY Business: BTstudio7

Personal online business, 2021 - Present

- Started a personal online business/shop through the ETSY platform selling customized decals
- Made over 3,500 sale with over 1,300 reviews (average 5/5 stars)
- Managed customer services and inventory; established brand and marketing strategies

SARS-CoV-2 Vaccine Manufacturing Facility

Senior Design Project, Spring 2021

- Worked with a team to design a pilot sized manufacturing facility for the production of the SARS-CoV-2 adenovirus vaccine
- Conducted cell culture study, manufacturing/operational processes research, safety evaluation, and cost/economic analysis

Hydrotherapy Hand Massage

Invention Factory, Summer 2018

- Filed a provisional patent application for a working prototype after 6 weeks
- Presented weekly to professionals in the industry
- Researched patents, prior arts, and FDA eligibility; conducted cost analysis, built prototypes, and conducted testings

Other project experiences

-The Cooper Union Chem-E-Car Team, 2018 - 2021

-Create@Cooper, Sponsorship Team, 2019 - 2021

-Low-Cost Lower Limb Prosthesis, Fall 2017