

SUMMARY OF QUALIFICATIONS

- Conscientious, detail-oriented bioengineer with 3+ years of lab experience, strong project management and analysis skills

SKILLS

- Operations: Flow cytometry, protein-SELEX, cell culture, PCR, DNA electrophoresis, DLS, AFM, TEM, ellipsometer, contact angle goniometer, plasma reactor, spin caster, HPLC, GC/MS, fluorescence microscope
- Software: FlowJo, R, Image J, Photoshop

EDUCATION

University of Washington, Seattle, WA Expected Jun 2020
Master of Science in Bioengineering
Relevant coursework: Bioconjugate Engineering, Bioengineering and Nanotechnology, Immunoengineering, Physiological Processes in Engineering Nanomedicine

Mount Holyoke College, South Hadley, MA May 2018
Bachelor of Art in Biochemistry, Statistics, with High Honor in Chemistry, *Magna cum Laude*
Honors Thesis, "Investigating Polydopamine via Solution Chemistry and Surface Adhesion"
Relevant coursework: Intro to Polymer Science & Engineering, Nucleic Acids Biochemistry & Molecular Biology, Chemical Thermodynamics, Probability

EXPERIENCE

Graduate Researcher, University of Washington, Seattle, WA Jan 2019 - Present
Advisor: Dr. Suzie Pun
- Developing transferrin-targeted aptamers for drug delivery across the blood brain barrier

Graduate Rotation, University of Washington, Seattle, WA Sep 2018 - Dec 2018
Advisor: Dr. Patrick Stayton
- Evaluated pharmacokinetics profile of polymer prodrugs *in vivo* using HPLC and GC/MS

Undergraduate Researcher, Mount Holyoke College, South Hadley, MA Jun 2016 - July 2018
Advisor: Dr. Wei Chen
- Researched polymerization of dopamine on surfaces, a project which led to honors thesis
- Established optimal experimental setup for obtaining homogenous polydopamine (PDA) surfaces; investigated PDA-substrate interactions with regards to surface energetics, kinetics and stability
- Mentored a fellow research student on laboratory techniques and protocols to continue the project
- Presented a talk at the regional American Chemistry Society (ACS) conference; created a poster displayed at the national ACS conference

Application Lab Intern, Symrise Inc., Shanghai, China Jul 2017 - Aug 2017
Supervisor: Lucy Cheng
- Studied confectionary formulation, chemistry and R&D process to assist technologist in developing new prototypes
- Designed and performed experiments independently to improve formulation of one confectionary
- Cooperated with marketing team to evaluate and deliver new confectionary and beverage products

Research Assistant, Shanghai Cell Therapy Research Institute, Shanghai, China May 2017 - Jun 2017
Supervisor: Dr. Zheng Li
- Initiated preliminary studies of developing a cost-effective method for telomere length measurement
- Analyzed flow cytometry and qPCR data to construct customized health assessments for 61 clients
- Conducted literature review and presentations about associations between ageing and condition of lymphocytes

Laboratory Assistant, Mount Holyoke College, South Hadley, MA Sep 2016 - Dec 2016
- Assisted lab instructor with teaching and supervising 10 students in organic chemistry lab

ADDITIONAL EXPERIENCE

Dancer, THE KOMPANY, University of Washington, Seattle, WA Oct 2018 - Present
Dancer, DBJ Dance Crew, Pioneer Valley, MA Sept 2015 - May 2018