

DIANE JUNG

15575 Crestview Lane, Granada Hills, CA 91344 | US Citizen
Diane.Yeorem.Jung@gmail.com | 818-859-2997

EDUCATION

Bachelor of Science, Chemical Engineering

University of California, Los Angeles

Expected June 2018
Cumulative GPA: 3.28

Curriculum Highlights: Process Dynamics and Control, Process Economics and Analysis, Cryogenics, Membranes, Finance and Marketing, Thermodynamics, Numerical and Mathematical Methods, Transport Phenomena (Momentum, Heat, Mass), Chemical Reaction Engineering

WORK EXPERIENCE

Research Assistant

UCLA Özcan Research Group

November 2017 to Present
Los Angeles, CA

- Determine standard deviations of lysozyme concentrations with gold standard well-plate and mobile reader
- Predict lysozyme concentrations adsorbed onto contact lens through change in fluorescent signals using Matlab
- Optimize dilution volumes and protocol for large-scale human participant study

R&D Intern

Behr Process Corporation

June 2017 to August 2017
Santa Ana, CA

- Utilized different letdown blades in the lab to predict tint strength of a batch in operations
- Adjusted paint formulation with Behr software and Senior Chemist to improve MQI paint
- Performed Quality Control to analyze and compare burnish resistance among Behr's and competitors' paints
- Conducted surveys and presented data to senior Behr executives with a cross-functional team for its business objective

Research Assistant

UCLA Department of Material Science and Engineering

April 2016 to July 2016
Los Angeles, CA

- Prepared sample metals for characterization tests, including microscopy and Vickers hardness testing
- Performed characterization tests, including density, to analyze the differences in 3D-printed and natural metals
- Supported a research effort for potential applications of additive manufactured metals in the aerospace industry

LEADERSHIP EXPERIENCE

Mentor

MentorSeas, UCLA

September 2017 to Present
Los Angeles, CA

- Meet with mentees to answer any questions regarding navigating UCLA and the engineering department
- Share personal experiences and insights in the engineering field, and in studying Chemical Engineering at UCLA
- Attend socials with mentees to ensure they have a strong source for community with other Bruins

Treasurer

Society of Women Engineers (SWE), UCLA

June 2016 to Present
Los Angeles, CA

- Assist company representatives and SWE officers for payments and reimbursements
- Partner with SWE officers for their respective events, such as EWI, to handle all financial aspects
- Serve as a liaison for National SWE, school administration, SWE officers, and company representatives
- Created faster online systematic processes for SWE finances through Google Drive

Logistics Chair, Evening With Industry (EWI) Committee

Society of Women Engineers (SWE), UCLA

October 2015 to May 2016
Los Angeles, CA

- Invited 35+ company representatives for EWI partnership that attract engineering student populations
- Organized and handled purchasing of over 35 centerpieces, over 250 nametags, and over 250 meal options
- Worked with EWI Committee and the SWE executive board, especially the treasurer, to ensure attendees

Mentor, Treasurer

Building Engineers and Mentors (BEAM), UCLA

October 2014 to Present
Los Angeles, CA

- Teach underprivileged 3-5th grade students STEM concepts, such as erosion and kinetic energy, for six weeks
- Develop, present, and allow for student participation in hands-on lesson plans with fellow mentors
- Interact with students and answer their questions about STEM to empower them to pursue it

SKILLS

- **Programming Languages:** proficient in MATLAB
- **Other Languages:** fluent Korean (reading, writing, speaking)
- **Software:** proficient in Microsoft Office, ProII
- **Other:** Work well with fellow co-workers, Organized, Good with Follow-Up, Quality Control, Pipetting