BRIAN LEE

(832)-275-5174 ◇ brianlee9203@gmail.com ◇ brian-lee-00

EDUCATION

Texas A&M University August 2018 - December 2021
Bachelor of Science in Chemistry Overall GPA: 3.49

EXPERIENCE

Research Assistant - Fang Group June 2021 - December 2021
Texas A&M University, Department of Chemistry

- Researched superwettable surfaces using dual-purpose tetrapodal ZnO
- Optimized parameters to design a mechanically/chemically robust superhydrophobic surface
- Investigated various approaches to develop surfaces capable emulsion separation

Aggie Research Scholar - Sukhishvili Group January 2021 - May 2021
Texas A&M University, Department of Materials Science and Engineering

- Worked in a team of 4 to research the effects of pH on star polymer growth
- Developed star polymer films via layer-by-layer deposition
- Analyzed thickness of modified silicon films using ellipsometry and visualized results using Excel

Research Assistant - Son Group August 2019 - December 2019
Texas A&M University, Department of Chemistry

- Synthesized perovskites via hot-injection method
- Researched specific parameters affecting concentration and size of quantum dots
- Analyzed synthesized species using UV-Vis spectrometry

Student Technician November 2020 - February 2021
Texas A&M University, Help Desk Central

- Diagnosed and solved an array of technical issues faced by a campus member
- Communicated issues from a campus member to tier 2 or senior support staff to be escalate tickets

PUBLICATION

- Li, C.; Lee, B.; Wang, C.; Bajpayee, A.; Douglas, L. D.; Phillips, B. K.; Yu, G.; Rivera-Gonzalez, N.; Peng, B.; Jiang, Z.; Sue, H.-J.; Banerjee, S.; Fang, L. Photopolymerized Superhydrophobic Hybrid Coating Enabled by Dual-Purpose Tetrapodal ZnO for Liquid/Liquid Separation. *Materials Horizons*, **2022**. https://doi.org/10.1039/d1mh01672e.

TECHNICAL STRENGTHS

Software & Tools ChemDraw, Office 365, MATLAB

Lab Techniques Chromatography (TLC, GC, HPLC),
Spectroscopy (FT-IR, UV-Vis, NMR, MS)