

Albaraa Kamal

8723 Alanbarah St, Industrial Yanbu, KSA 46451
albaraa.kamal@kaust.edu.sa | +966 50-533-7302

EDUCATION

King Abdullah University of Science and Technology, Thuwal, KSA Expected December 2020
M.S. in Chemical Science
North Carolina State University, Raleigh, NC June 20th, 2019
B.S. in Chemical Engineering

INDUSTRIAL EXPERIENCE

The Dow Chemical Company, Midland, MI Summer 2018
Advanced Electronic Materials

- Improved the bromination process for a material used to produce an electrical resin
- Identified potential heat accumulation problems in reactors and vessels
- Created and updated procedures to mitigate health and safety issues

RESEARCH EXPERIENCE

North Carolina State University, Raleigh, NC August 2018 – May 2019
Abolhasani Lab – Prof. Milad Abolhasani

- Analyzed carbon dioxide-mediated liquid-liquid separation using switchable water
- Compared micro and macro scales of the liquid-liquid separation

Nagoya University, Nagoya, Japan Summer 2017
Kamigaito Lab – Prof. Masami Kamigaito

- Synthesized elastomers using block copolymerization of styrene and butyl acrylate
- Experimented copper-mediated living radical polymerization under different conditions

North Carolina State University, Raleigh, NC Summer 2016
Polymer Morphology Group – Prof. Richard Spontak

- Helped performing chemical modifications to chlorinate an elastomer
- Prepared samples via solvent casting for thermomechanical characterization

AWARDS & HONORS

KAUST Gifted Students Program August 2014 – June 2019
A fully funded scholarship by King Abdullah University of Science and Technology (KAUST)
in Saudi Arabia for Saudi undergraduates studying science and engineering abroad
Semester Dean's List Fall 2015, Spring 2016, Fall 2016

LEADERSHIP EXPERIENCE

Anime Club, Vice President August 2017 - December 2018
Organized weekly meetings for a 30-members club

Saudi Students Organization, Treasurer March 2017 – May 2019
Allocated budget for the club which helped expanding its events and activities

SKILLS

Laboratory: Polymerization, Nuclear Magnetic Resonance, Gas Chromatography, Size Exclusion Chromatography, Differential Scanning Calorimetry.
Computer: Aspen Plus, MATLAB, Python, C++, HTML.
Languages: Arabic (native), English (fluent), Japanese (fluent, JLPT N2).