

Charlotte R. Mitchell (Charlie)

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EDUCATION:

Colorado State University (CSU), Fort Collins, CO
Bachelor of Science in Biomedical Engineering
Bachelor of Science in Chemical and Biological Engineering
Minor in Mathematics

Expected Graduation: May 2018

GPA: 3.72

Relevant Coursework:

- Chemical and Biological Reactors
- Thermodynamics and Mass Transfer
- Separation Processes
- Process Synthesis and Simulation/Process Control
- Transport Phenomena in Biomedical Engineering
- Statistics
- Principles of Human Physiology
- Introduction to Business Ethics

ENGINEERING EXPERIENCE:

Selected Engineering Projects

Transport Phenomenon in Biomedical Engineering Final Project Fall 2016

- Research a transport problem in Biomedical Engineering
- Represent the problem using a computational software and develop a website on the chosen topic

Biomedical Engineering Problem-Based Learning Lab Spring 2016

- Research, design, and performed various research experiments
- Gained skills in writing research reports comparable to research papers found in journals

Certifications/Exams

Fundamentals of Engineering Exam Expected Completion: Dec. 2017

LEADERSHIP EXPERIENCE:

President Aug. 2016 - Present

National Society of Collegiate Scholars

- Led a group of students in their goals to achieve community through service and leadership
- Gained valuable insight into being a role model as well as teamwork, leadership, and communication skills

Torch and Laurel Mentor

The Society of Torch and Laurel Sept. 2015 - Dec 2015

- Mentored a high school senior in their transition from high school to college
- Gained skills in leadership in a teaching type position

SKILLS:

- Self-taught in MATLAB programming software
- Exposure to SolidWorks programs
- Exposure to Minitab
- Exposure to Aspen Plus
- Proficiency in Microsoft Office Programs (Word, Excel, PowerPoint)
- Laboratory Analysis (Scanning Electron Microscopy (SEM) and Energy Dispersive X-ray Spectroscopy (EDS), Thermogravimetric Analysis (TGA), Contact Angle Goniometer (CAG), Attenuated Total Reflectance Fourier Transform Infrared Spectroscopy (ATR-FTIR))

WORK EXPERIENCE:

Student Worker - Assistant Program Manager

q-bio Summer School, Fort Collins, Colorado Jan. 2017 - Present

- Responsible for lecturer and student communications
- Lead designer of the school's website
- Gained skills in creative collaboration and professional correspondence

Student Worker - Coordinator

Biomedical Research and Engineering Lab (BREL), Fort Collins, Colorado Sept. 2014 - Dec. 2016

- Responsible for scheduling base product output for use by and assist graduate students
- Learned teamwork, communication, and time management skills in an engineering research setting
- Learned critical problem solving skills through literature review and designing of research experiments