

Larkin Ingram

Austin, TX • 512-608-5003 • larkiningram@gmail.com

EDUCATION

California Polytechnic State University – San Luis Obispo
Bachelor of Science in **Biomedical Engineering**

BIOMEDICAL ENGINEERING AND RELEVANT EXPERIENCE

Pressure Cylinder Controlled Release Valve - Senior Design Project **Sept. 2018 – March 2019**

- Designed program to automate a robust and repeatable pressure drop for a pressure cylinder used in tissue engineering scaffold creation
- Took initiative to learn and master LabVIEW software
- Designed and manufactured housing unit to support cylinder, valve, and attached wires
- Drafted and performed IQ/OQ/PQ, FMEA analysis, DHF, test protocols, and statistical analysis
- Demonstrated effective problem solving, project management, teamwork, time management, and both written and oral communication skills

Summer Research Project – Cal Poly Dairy Science **June 2018 - August 2018**

- Assisted in research to find a more nutrient rich substitute for native breast milk for infants
- Created emulsion samples using high pressure and high shear homogenizers
- Measured particle diameters and surface area using particle size analyzer
- Performed statistical analysis using response surface experimental design in MiniTab to determine optimum ratio of emulsion components
- Demonstrated ability to work independently, stay organized, and communicate research findings effectively, as well as gaining knowledge of GLP

OTHER EXPERIENCE

American Eagle Sales Associate (Austin, Texas) **Summer 2017**

- Enhanced customer service, organization, teamwork, and communication skills

National Outdoor Leadership School Graduate **Summer 2016**

- Completed a 21-day sea kayaking expedition in Southeast Alaska
 - Gained leadership skills and experience in overcoming adversity
-

SKILLS AND CERTIFICATIONS

Soft: Leadership, teamwork, independence, organization, communication, time management

Programming: MATLAB, LabVIEW, Python

CAD Software: SolidWorks

Statistical Analysis: Minitab

Finite Element Analysis: COMSOL

Manufacturing: Red and Yellow Tag certifications in Cal Poly Machine Shops

Microsoft Office: Word, Excel, PowerPoint, and Project