

Contact

www.linkedin.com/in/arralek
(LinkedIn)

Top Skills

Failure Mode and Effects Analysis (FMEA)
Corrective and Preventive Action (CAPA)
U.S. Food and Drug Administration (FDA)

Languages

Spanish (Native or Bilingual)

Certifications

Introduction to ISO Global BIM Standards
Certified Associate in Project Management (CAPM)® Exam Tips
AI Show: Medical Imaging with Azure Machine Learning
Data Engineering Foundations
Process Improvement Foundations

Aleksys Arredondo

Advancing life-changing medical devices.
Burlington, Massachusetts, United States

Summary

Excellence-guided Engineer capable of transforming complex operational challenges into cutting-edge, efficient and unique solutions. Proficient in streamlining project workflows, leading high-performing teams, delivering exceptional technical support, and coordinating product development. Seeking learning and collaborative opportunities to advance technology through engineering applications.

Experience

Abbott
Product Analysis Engineer
November 2024 - Present (4 months)
Burlington, Massachusetts, United States

Working in the Heart Failure division of Abbott. Collaborating with other engineers in the Mechanical Circulatory Support (MCS) Product Performance Group (PPG). Directly involved in regulatory compliance of post-market performance of the HeartMate 3™ Left Ventricular Assist Device (LVAD).

Cheil North America
Associate Producer
May 2023 - August 2024 (1 year 4 months)
Plano, Texas, United States

Elevate every consumer touch point experience and effectively plan and project manage experiential and event marketing from branded environment, mobile vehicles, on campus, influencer, and youth marketing programs.

Evaluating project details, cost/budget, and timelines to make appropriate recommendations and/or provide alternative solutions. Prepare contracts, review vendor proposals, and negotiate contracts/costs, and maintain consistent vision/message/image of client's brand vision.

Conduct pre- and post-project activities such as cost analysis, invoice reconciliation, project recap and research competitive programs and trends for

competitive analysis. Deliver overall project management and ensure quality control for all deliverables.

UTDesign

Biomedical Senior Project Engineer

May 2023 - December 2023 (8 months)

Richardson, Texas, United States

During Capstone at UT Dallas, I was involved in the UT Design Studio developing the Coupage Technique to be used in a Coupage Vest medical device for Canine/Feline treatment in veterinary practices.

We were tasked with automating this technique by creating a controllable vest that could coupage, while keeping track of vital signs.

Our device features vibration motors which can be controlled through our custom app, while monitoring the patient's pulse rate and oxygen saturation using a pulse oximeter.

We constructed a coupage vest per specifications given by our client Olive Tree Therapeutics and 3D modeled by me. Major contributions: 3D renders and modeling of the final vest components and space allocation for fabrication.

Collaborated with cross-functional teams to integrate electronic systems into this first-of-a-kind device in the market in the world.

Patent-pending device created by our capstone engineering team: BOLT Biotechnology.

Department of Bioengineering - UT Dallas

Research Engineer

June 2021 - September 2023 (2 years 4 months)

Richardson, Texas, United States

Biomaterials for Osseointegration and Novel Engineering (BONE) Laboratory

Under direction of Primary Investigator Danieli Rodrigues, PhD in Bioengineering, Sareda Schramm, MS in Molecular and Cell Biology, Claudia Bigueti, PhD in Dentistry (DDS), and Anthony Reyes, BS in Bioengineering.

Research areas:

(1) in vitro co-culture of mammalian and bacterial cells

- (2) cell counting methods through imaging software
- (3) migration assays through (scratch-method / wound healing)
- (4) contrasted between surface treatments for Titanium implants regarding the integrity and corrosion of the material.

PICKUP

1 year

Market Success Coordinator

January 2023 - April 2023 (4 months)

Plano, Texas, United States

Responsible for assisting with incoming and outbound calls, handling logistical support to our customers and drivers, dispatching orders across multiple markets, and providing two-way communications while monitoring the grid and adjusting where necessary to maximize on-time performance and minimize service disruptions.

Luxury Delivery Concierge

May 2022 - January 2023 (9 months)

Dallas-Fort Worth Metroplex

Delivering for Louis Vuitton and responsible of a white-glove concierge styled pickup and drop-off of store-bought merchandise that customers would purchase online or via phone with store managers they would ask for home/office delivery, while being bagged as a out-of-store transaction.

Pain Relief Network

Healthcare Manager

July 2020 - June 2021 (1 year)

McAllen, Texas, United States

Screened patient's and managed teams for telehealth consultations with 10+ physicians.

Trained on customer service and sales tactics and reviewed/created new scripts every 3 months.

Provided consultations via Noble Telehealth for patients in need of pain management assistance and medication.

Rio Health Medical Clinic

Mechanical Engineer

April 2018 - June 2019 (1 year 3 months)

McAllen, Texas, United States

Under direction of Paul Treviño, OPA-C, BS in Mechanical Engineering, I worked on innovating techniques in physical therapy and engineering applications to orthopedics.

Assisted in screening of inquiry calls for appointments and workers' compensation physical therapy.

Processed patient medical records on electronic files for 4 physicians through Microsoft Office suites.

Education

The University of Texas at Dallas

Bachelor of Science, Bioengineering and Biomedical Engineering · (2019 - 2023)

The University of Texas Rio Grande Valley

Minor, Medical Spanish Biliteracy · (2018 - 2019)