

Nathaniel Uribarri

(915) 226-3063 | njuribarri@gmail.com | <https://www.linkedin.com/in/nathaniel-juribarri737/>

EDUCATION

Bachelor of Science, Biomedical Engineering

May 2022

Scientific Computations and Data Science Certificate

The University of Texas at Austin

GPA: 3.15/4.00

WORK EXPERIENCE

Action Point Analytics, Software Developer/Data Analyst

05/2020—Present

- Maximized Data Analysts time by 100% by creating a web-scraping Python script using multiple API
- Building a web application with Django, Python, Google Cloud, Docker, and PostgreSQL for the backend and HTML, CSS, and JS for the frontend
- Assess real-time media activity for audience targeting, content performance, reputation tracking, and competitive analysis to provide high-profile clients with strategy development, optimization, impact, and ROI

President/Intern, Christian Students on Campus

08/2018—Present

- Lead and organize over 15 large events per semester and facilitate group meetings that 150+ students attend weekly
- Mentor new members through interactive relationships leading to individual and team development

ACADEMIC EXPERIENCE

Bioheat Transfer Lab, Undergraduate Researcher

The University of Texas at Austin - Dr. Ken Diller

02/2020—Present

- Conducted protocols to analyze the effects of targeted body heaters on various vital signs during sleep
- Processed and analyzed over 100 hours of data using MATLAB to determine the impact of targeted heating on blood pressure and overall quality of sleep
- Analyzed bioheat transfer processes using COMSOL to enhance the development of a neck-heating device

Development and Analysis in Biomedical Engineering, Team Lead

01/2021—05/2021

The University of Texas at Austin - Dr. Dan Puperi

- Led a team of 5 in prototyping a medical device by using the medical device design control process outlined by the FDA and ISO 13485
- Developed an original iOS application using React Native, JavaScript, HTML, and CSS to accompany our medical device

Software Design and Implementation

01/2020—05/2020

The University of Texas at Austin – Professor Roger Priebe

- Implemented design techniques for imperative programming that used data structures, algorithm development, problem decomposition, object-oriented programming, debugging, and testing in C++

SKILLS

Python, C/C++, HTML5, CSS3, MATLAB, SOLIDWORKS, React Native, JavaScript, Django, PostgreSQL, Git, Docker, Linux, COMSOL, G-Suite, Visual Code Studio, Microsoft Office, Assembly languages, strong interpersonal, leadership, and communication skills

Leadership and Activities

President, Christian Students on Campus

2018—Present

Active Member, Society of Hispanic Professional Engineers

2018—Present