Nathaniel Uribarri

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www.njuribarri.com/portfolio

Skills

- Languages: Python/Django, C/C++, HTML5/CSS3, JavaScript
- Software: PostgreSQL, Docker, MATLAB, Visual Studio, React Native, Figma, COMSOL

WORK EXPERIENCE

Action Point Analytics, Software Developer/Data Analyst **05/2020—Present**

- Developed a web-scraping Python script using multiple API maximizing Data Analysts' time by at least 100%
- Building a web application with Django, Python, PostgreSQL, Docker, and Google Cloud for the backend, HTML, CSS, and JS for the frontend
- Enhanced web-scraping algorithms to supply a 35% increase in meaningful data that provides high-profile clients with strategy development

Christian Students on Campus, President/Intern **08/2018—Present**

- Produced strategies for individual, team, and organization-wide growth contributing to a 25% member increase each year
- Mentored new members through interactive relationships leading to individual and team development

ACADEMIC EXPERIENCE - The University of Texas at Austin

Abbott Laboratories, Senior Design Project - Software Specialist **08/2022—Present**

- Implemented bioinformatic algorithms in Python for the analysis of biometric measurement data from a wearable device
- Lead the evaluation and use of software design tools, software architectures, embedded systems design, and algorithms

Development and Analysis in Biomedical Engineering, Team Lead **01/2021—05/2021**

- Built an iOS application using React Native, JavaScript, HTML, and CSS to accompany a medical device
- 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

Embedded Systems, Software Design, and Implementation **01/2020—05/2020**

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

Bioheat Transfer Lab, Undergraduate Researcher **02/2020—05/2020**

- Processed and analyzed over 100 hours of data using Python and MATLAB to determine the impact of targeted heating on blood pressure and overall quality of sleep
- Analyzed bioheat transfer processes using COMSOL to hasten the development of a neck-heating device

Education

Bachelor of Science, Biomedical Engineering **May 2022**
The University of Texas at Austin
GPA: 3.15/4.00

Leadership and Activities

President, Christian Students on Campus **2018—Present**
Active Member, Society of Hispanic Professional Engineers **2018—Present**