ARHIAN ALBIS RAMOS

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https://www.Iterate2Infinity.com | https://www.github.com/Arhian99

EDUCATION

Dell Medical School at UT Austin. Austin, TX
June 2021 – June 2022

The University of Texas at Austin. Austin, TX
Aug 2017 – May 2021
Honors Bachelor of Science in Biochemistry
GPA 3.99
Honors*: Magna Cum Laude, Polymathic Scholars Honors Program, Distinguished College Scholar, Academic Excellence Award.

SKILLS

Technical: Proficient in *HTML, CSS, JavaScript, & Git*. Intermediate in *Excel, TypeScript, & R.* Exposure to *Python, SQL, & Java.*
Languages: Fluent in Spanish (native)
Relevant Coursework: *Georgia Tech: Data Structures & Algorithms Professional Certificate (in progress)*

EXPERIENCE

Rules Based Medicine. Austin, TX
Aug 2022 – Present
Automation Lab Associate
- Utilize **Tableau software** to **SQL query** an internal **relational database** to analyze and present data that tracks the performance of our Luminex 200 platform. The data is used to decrease individual platform downtime, optimize production throughput, and help achieve on average $1.5M in quarterly revenue for the company.
- Assist in the **development & maintenance of scripts** that interact with the **EVOware software API** used to control the Tecan Freedom EVO **Automated Liquid Handling Robot**.
- Serve as a liaison between the automation laboratory and the bioinformatics department by providing automation lab personnel insights into the **technical feasibility of script modifications and new script development**, as well as, providing the bioinformatics department necessary **information about end user needs and product requirements**.

Accelerated Research Initiative at UT Austin. Austin, TX
Jan 2020 – Dec 2020
Undergraduate Research Fellow
- Utilized **TypeScript language** in **office scripts** and **Excel** to **automate spectrophotometer raw data manipulation,** plotting of UV-Vis absorbance spectra, and plotting of the spectrophotometer calibration curve.
- Wrote **scientific publication**-styled reports and held **poster presentations** that **presented the data and findings** to colleagues, including the principal investigator and research educator.

Health Careers Mentorship Program at UT Austin. Austin, TX
April 2020 – May 2021
Co- Preceptor Director
- Interacted with the **Google Apps Script REST API** using **JavaScript** to develop a **mail merge script** that automatically sent bi-weekly emails to preceptors listed on the internal Preceptors List Google Sheets document.
- **Developed a program** using **TypeScript** in **office scripts and Exce**l to normalize mor than 250 prospective applicant's essay scores which decreased the admission's process time commitment by half.

RELEVANT PROJECTS*
*For full list of projects please visit https://www.Iterate2Infinity.com
- **Health Consciousness of Pre-med students at UT Austin – Designed and deployed a questionnaire** to collect more than 150 data points which was **analyzed using R** to reveal statistical significance. The findings were presented at the **UT Undergraduate Research Symposium**.

- **Iterate2Infinity – Designed, developed, and deployed** a **responsive and interactive personal website** using **HTML, CSS, and vanilla JS** for the **frontend** and **Google's Cloud Firebase** to integrate the **backend systems**.

- **Sign Up Form with Client-Side Validation** – Utilized **the Constraint Validation API** in **JavaScript** to build a sign-up form that features **client-side** name, email, and password **validation**. Used **HTML, CSS, and vanilla JS.**

- **Arhian's Library – Built a library web application** that allows users to add/remove books, mark books as favorites, and toggle between read/ unread options. Used **HTML, CSS, and vanilla JS.**

LEADERSHIP
- **Moto GP at COTA –** Crew Chief of Rider Assist Team
- **UT College of Natural Sciences –** General Chemistry Teaching Assistant
- **Reviving Baseball in Inner Cities –** Management and Operations Intern